

Bw. vs. Fw.

Dati e Monte Carlo

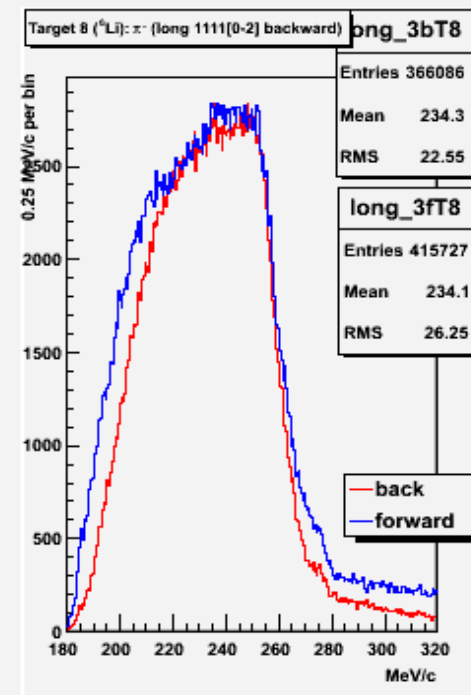
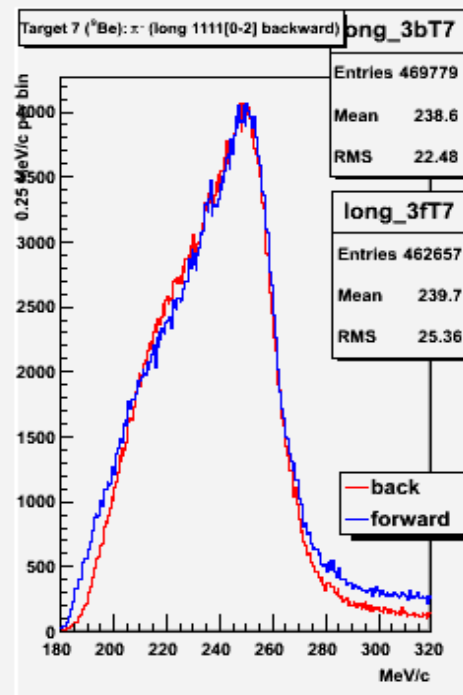
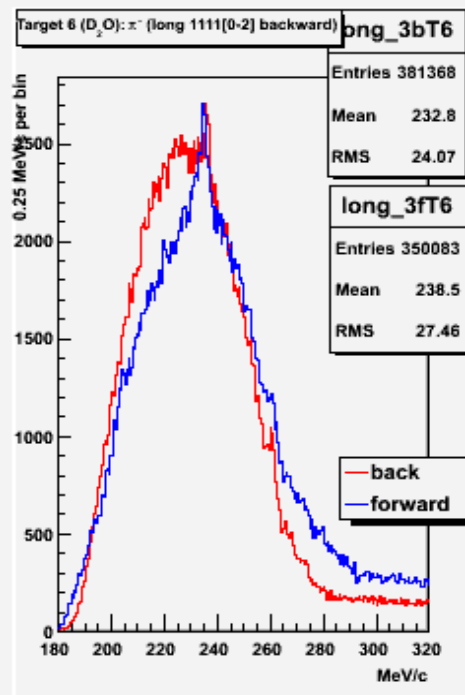
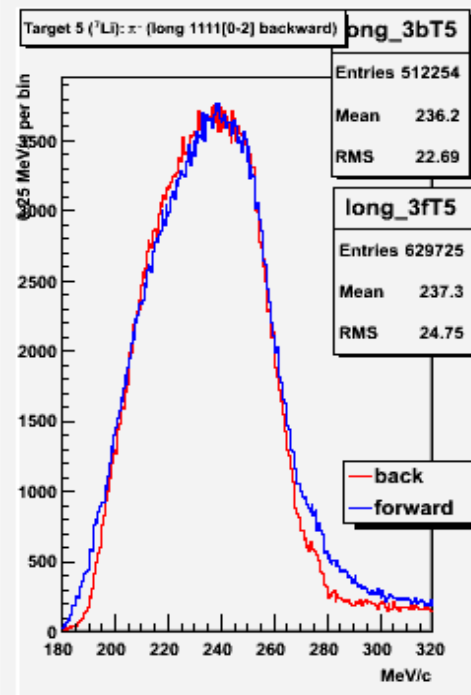
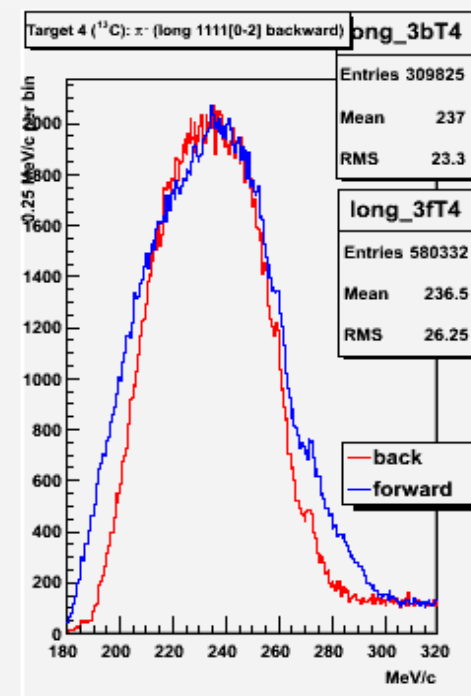
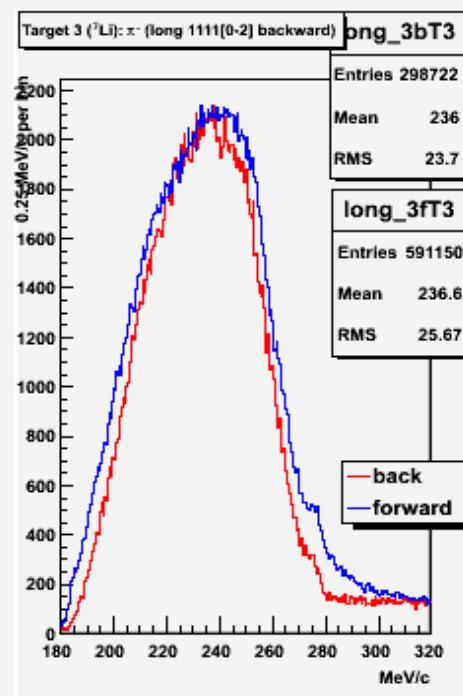
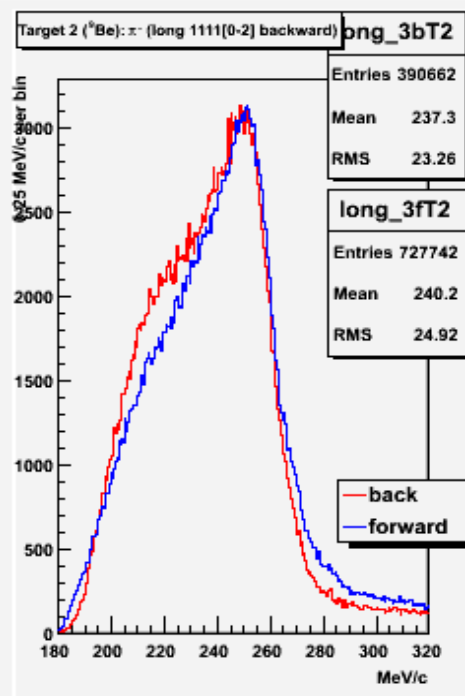
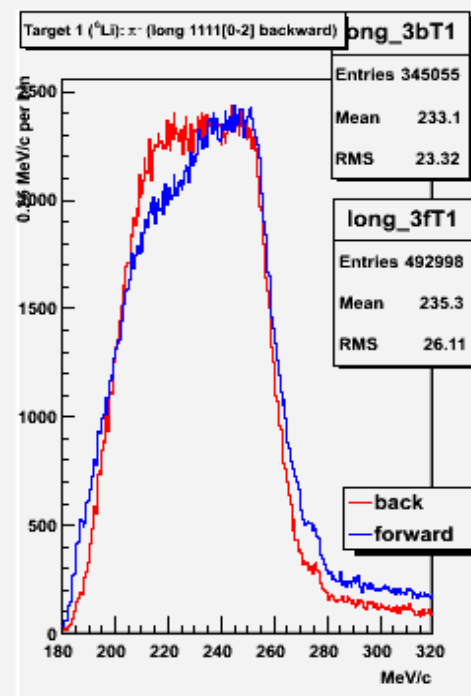
- No Cuts
- **Loose Cuts:** Chrgmin== -1, Dispmin < 3, Disvmin < 3, Dev2min < 10, Resdmin < 1, Vdktmin < 1, Stermin < 200
- **Tight Cuts:** Chrgmin== -1, Mlpmin== 9, Dispmin < 1, Disvmin < 1, Dev2min < 8, Resdmin < 0.9, Vdktmin < 0.6, Stermin < 200, |Tlenmin| < 160

Bw. vs. Fw.

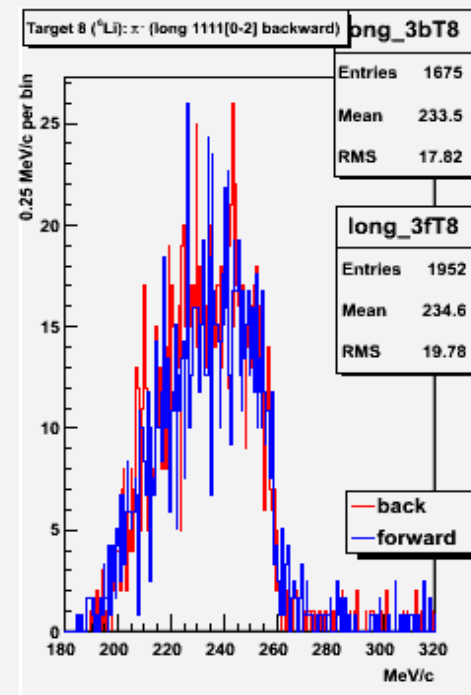
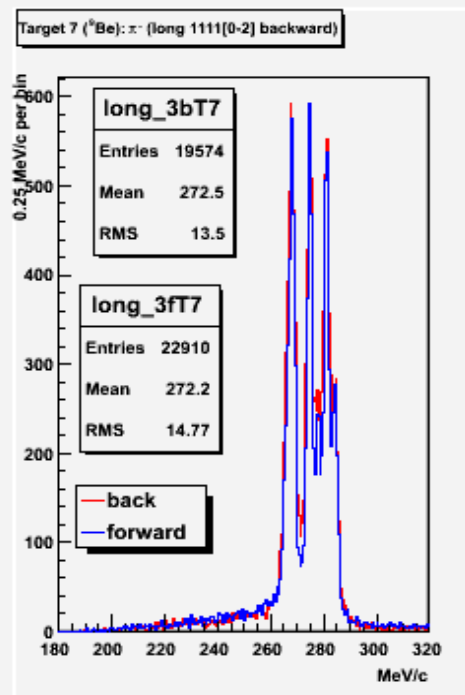
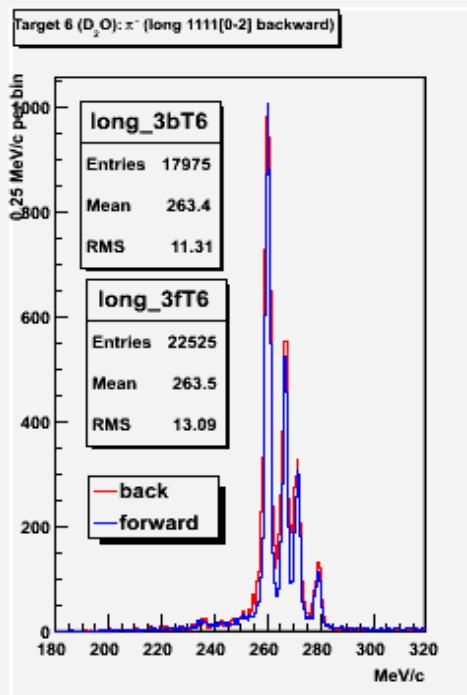
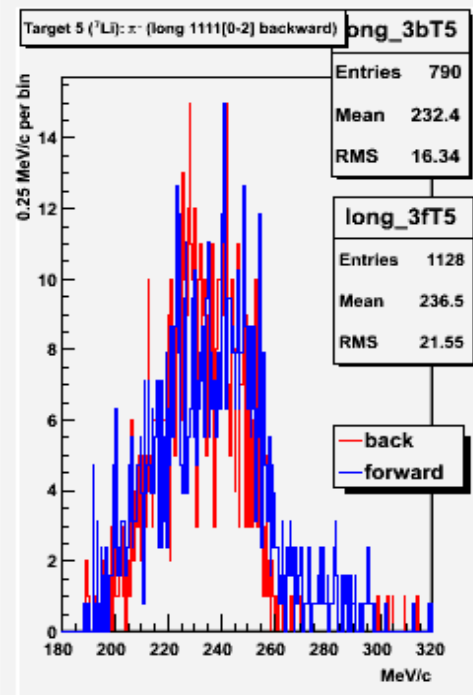
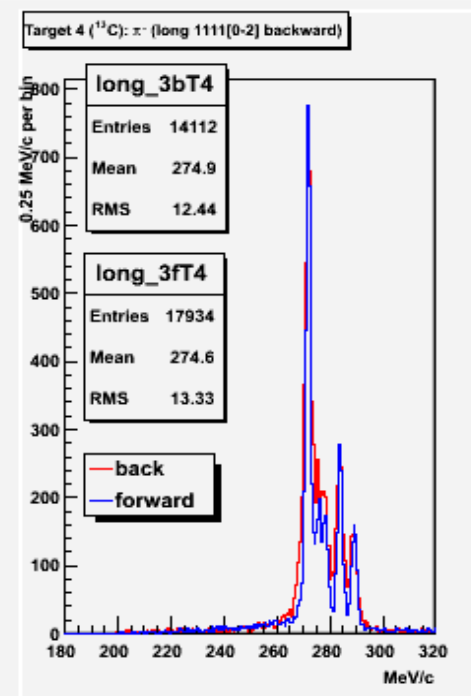
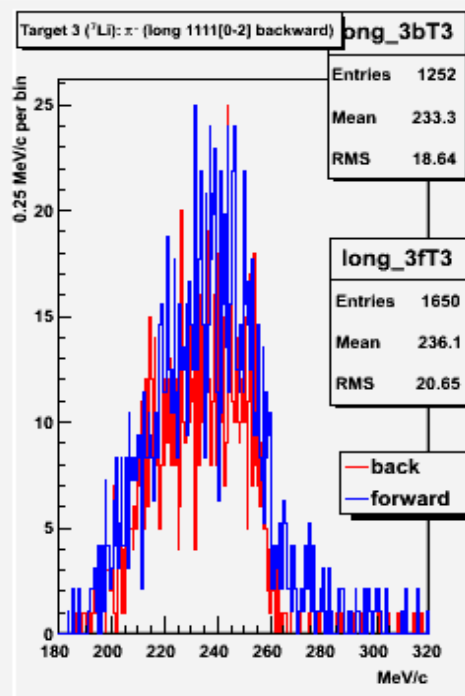
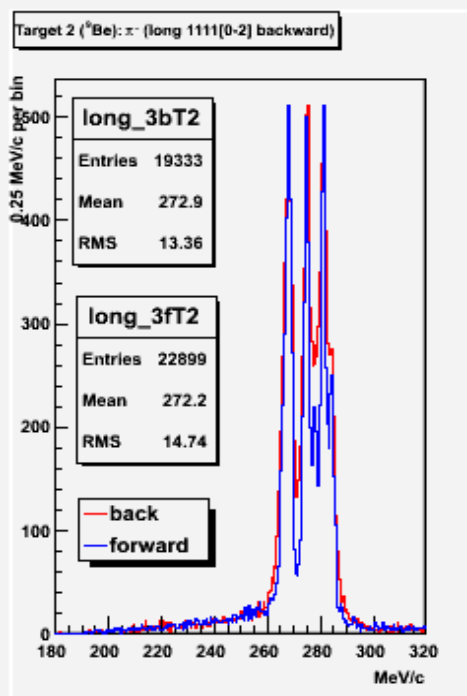
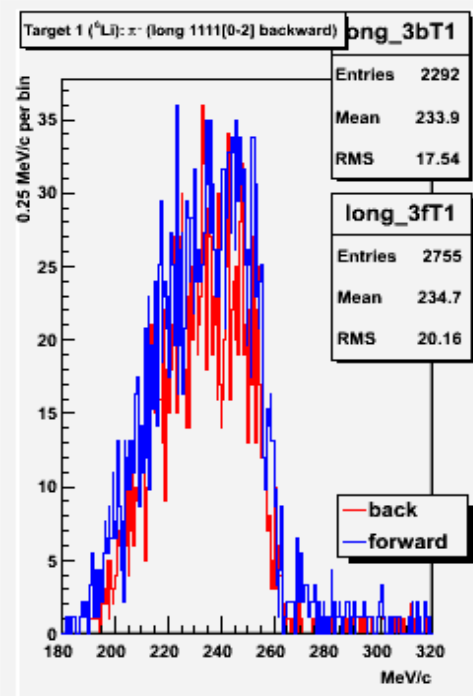
Dati e Monte Carlo

- **No Cuts**
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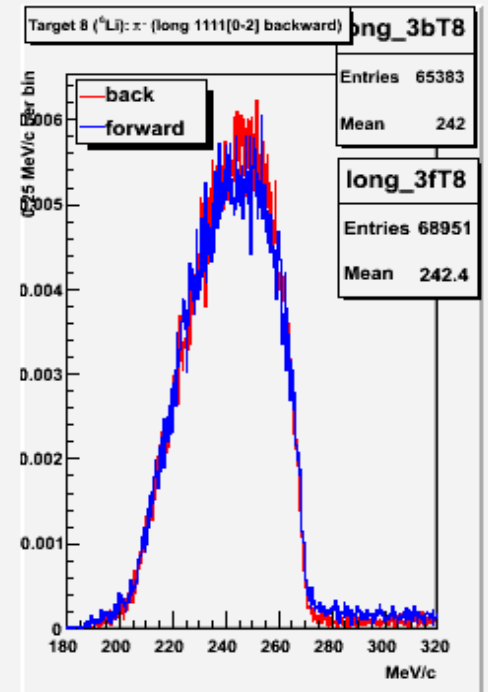
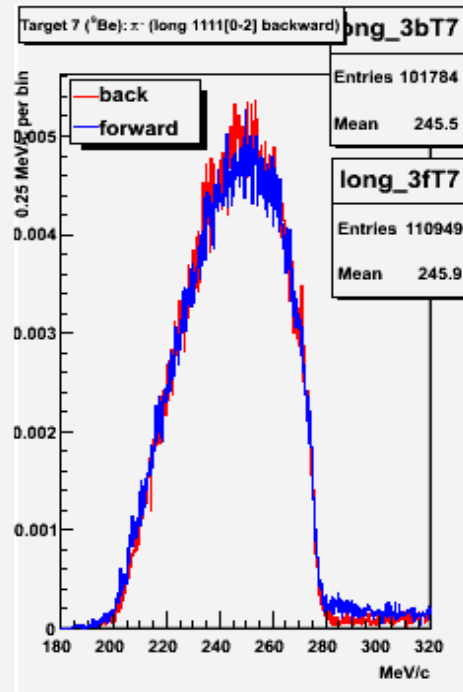
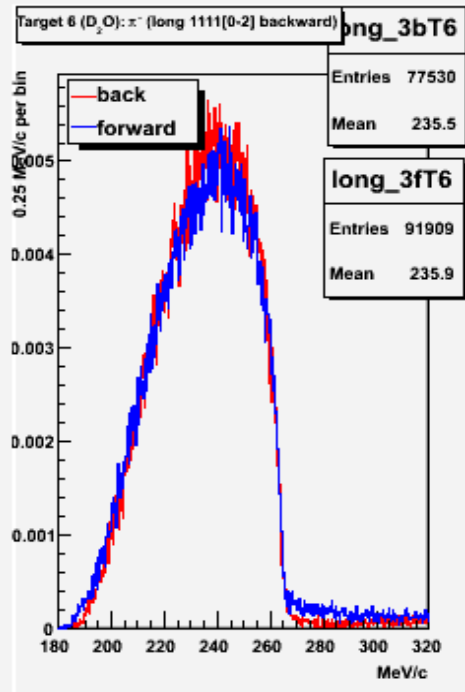
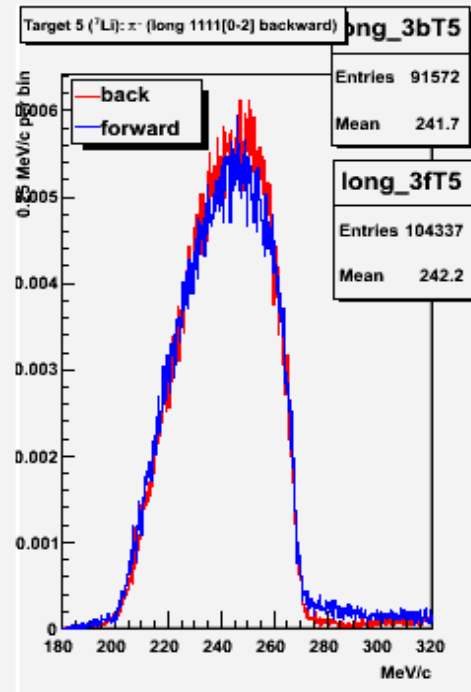
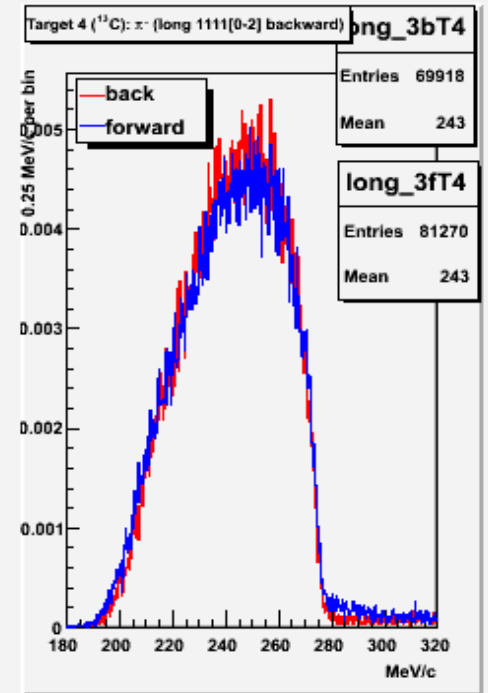
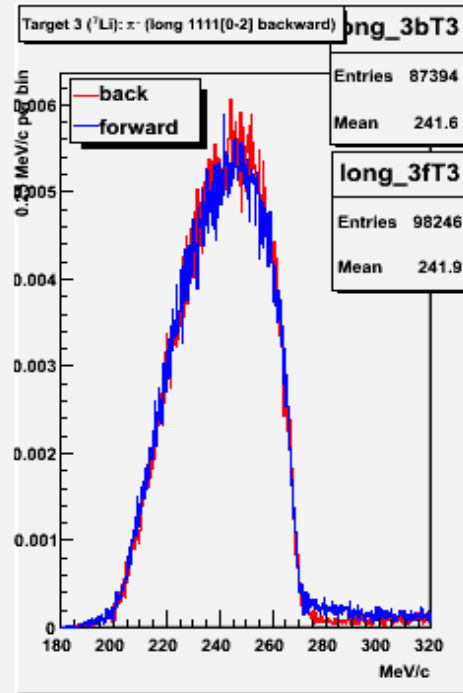
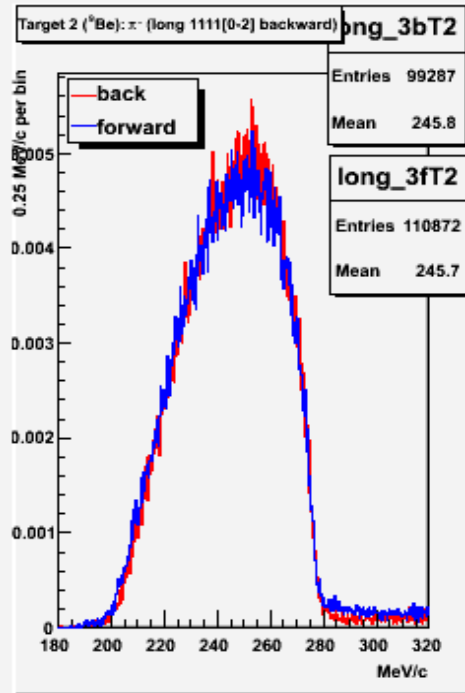
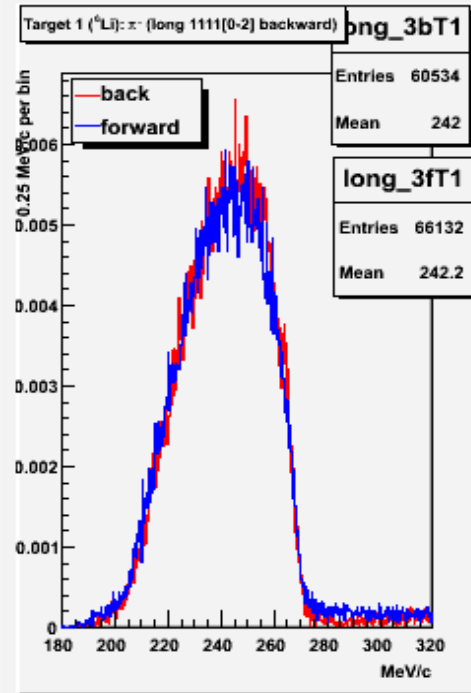
Data no cuts



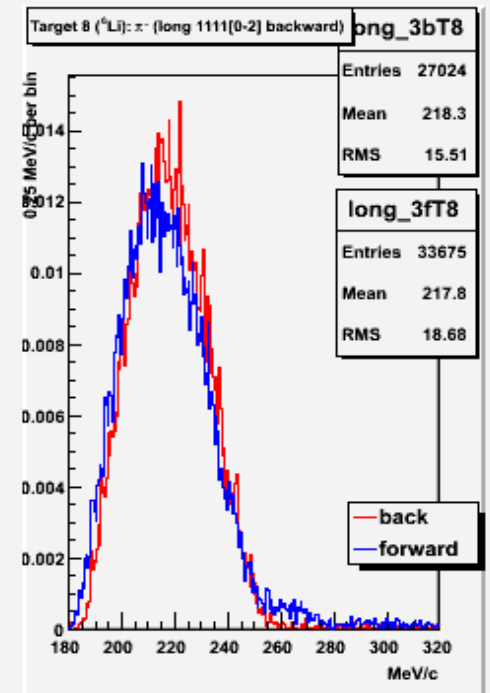
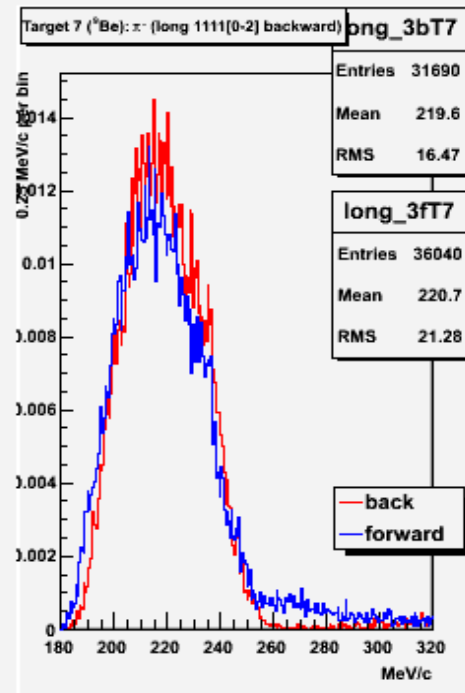
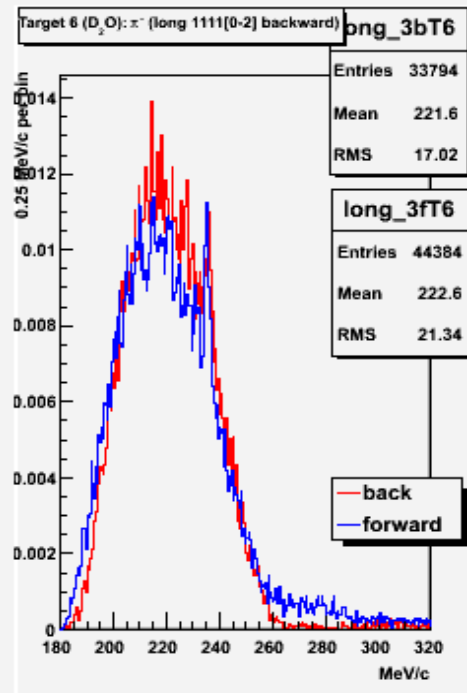
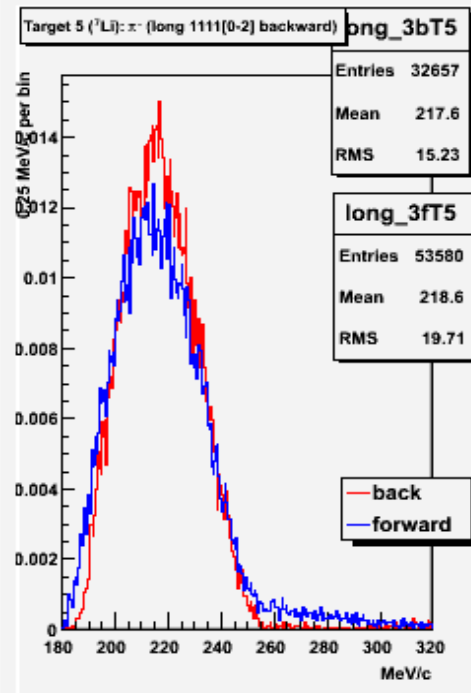
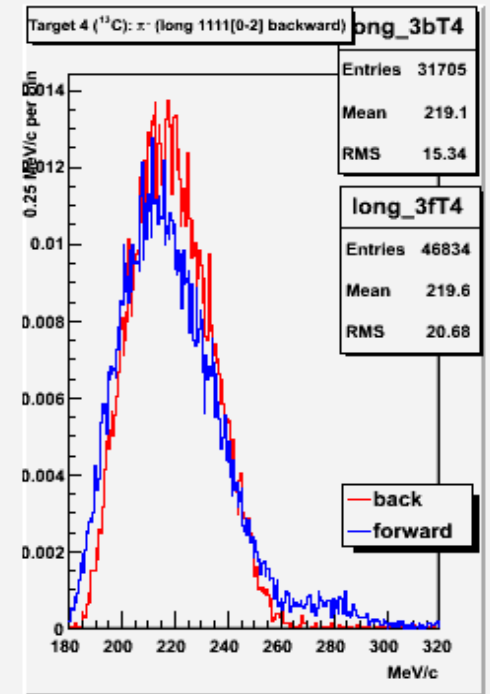
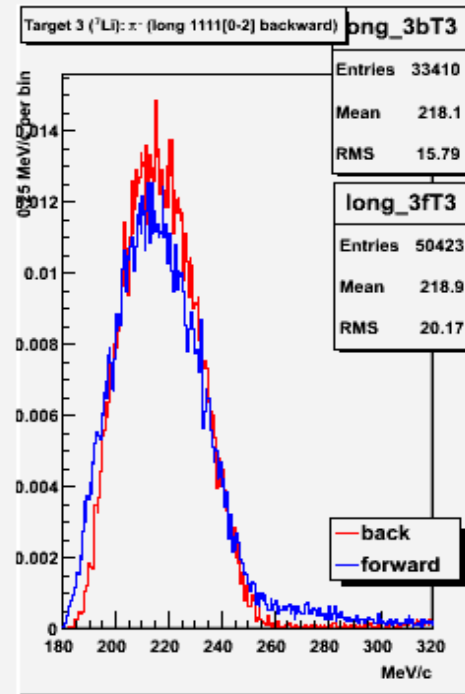
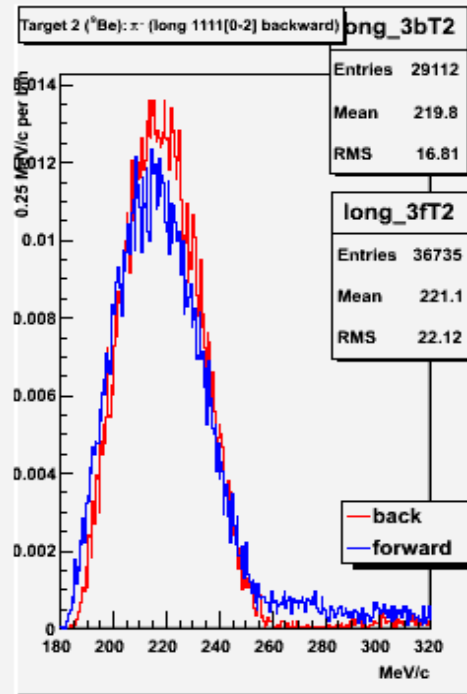
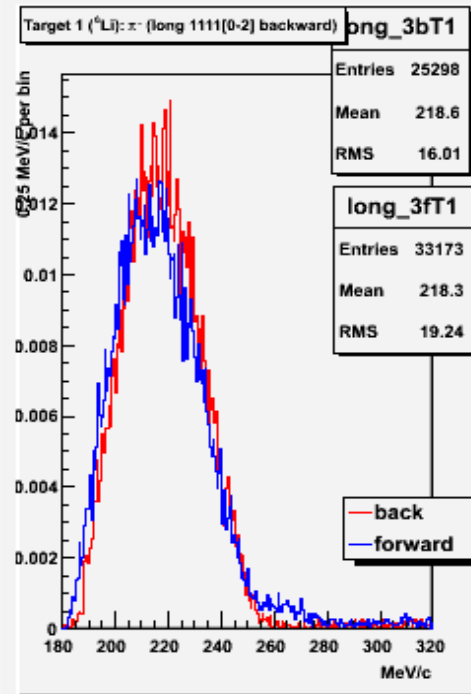
MC signal no cuts



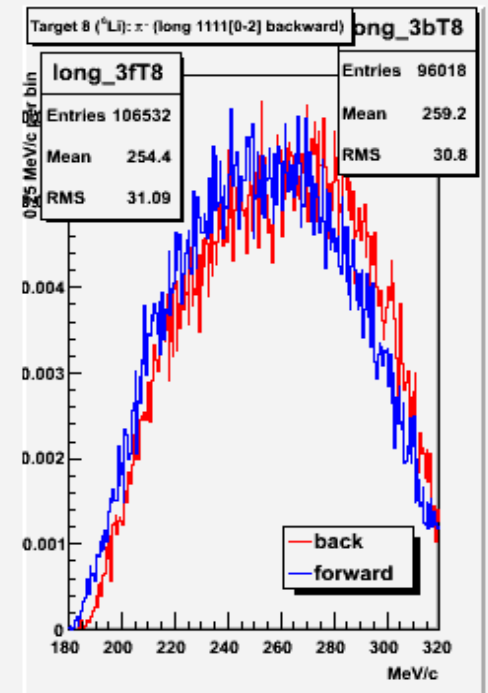
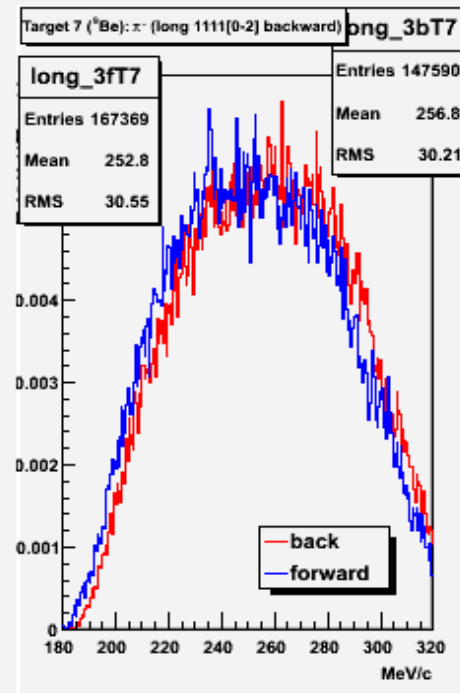
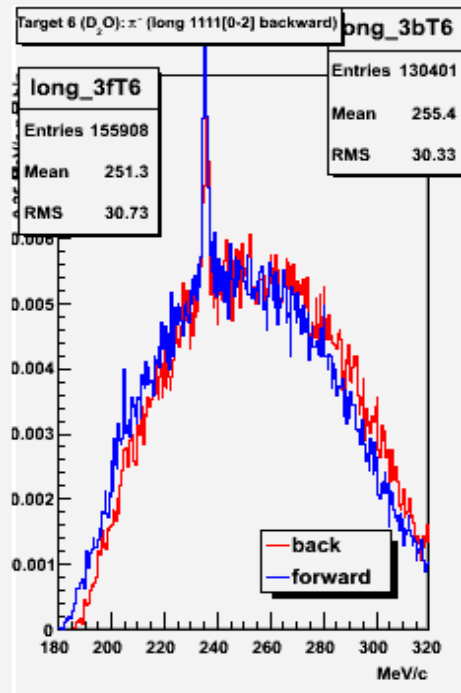
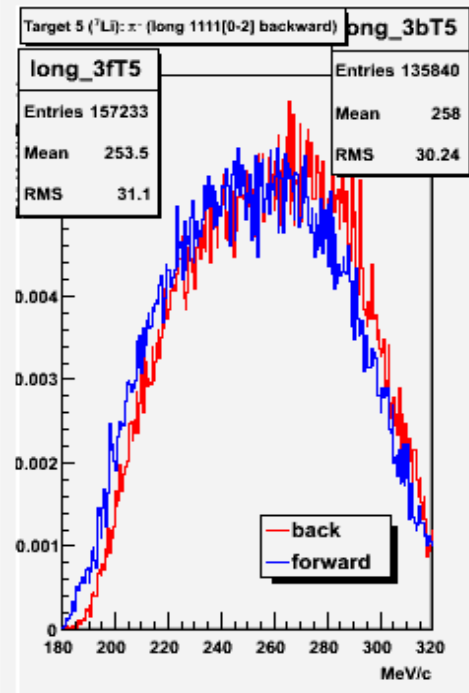
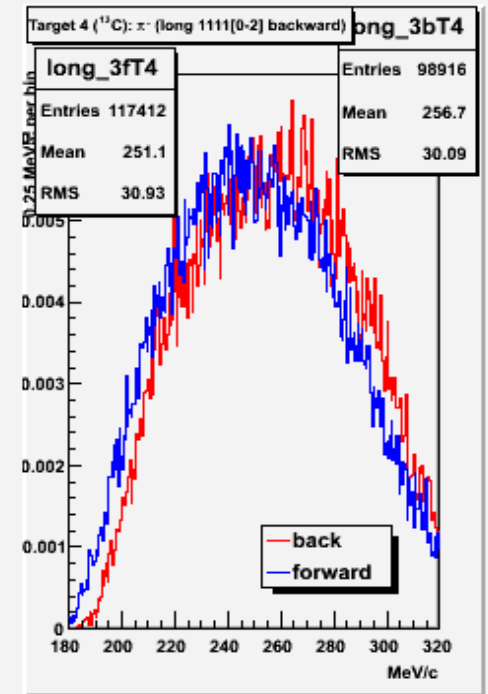
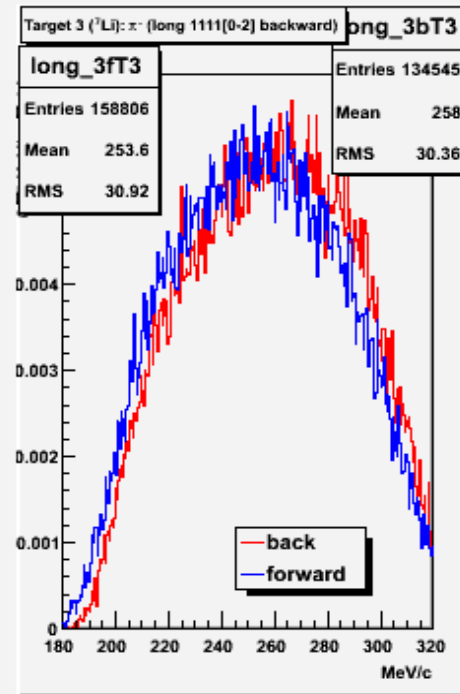
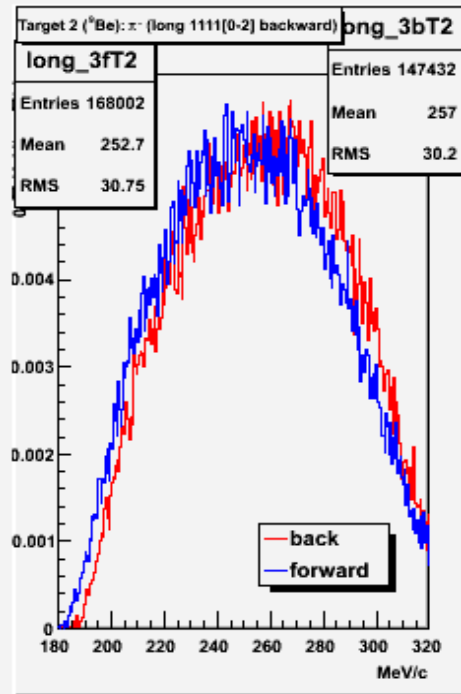
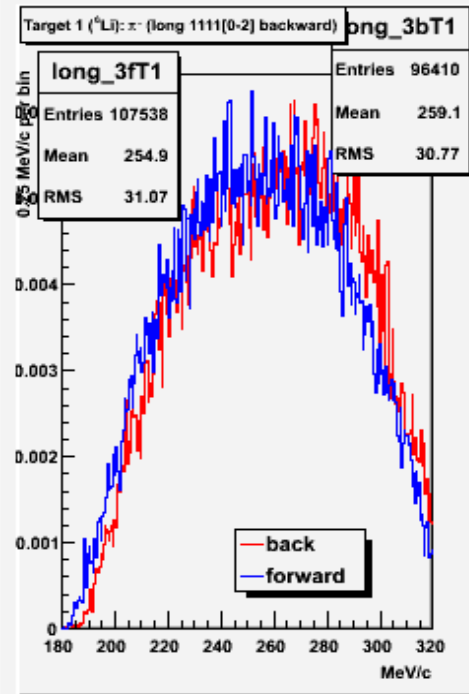
MC background no cuts: $K^- + n \rightarrow \Lambda + \pi^-$



MC back no cuts: $K^- + p \rightarrow \Sigma^- + \pi^+$



MC back no cuts: $K^- + np \rightarrow \Sigma^- + p$

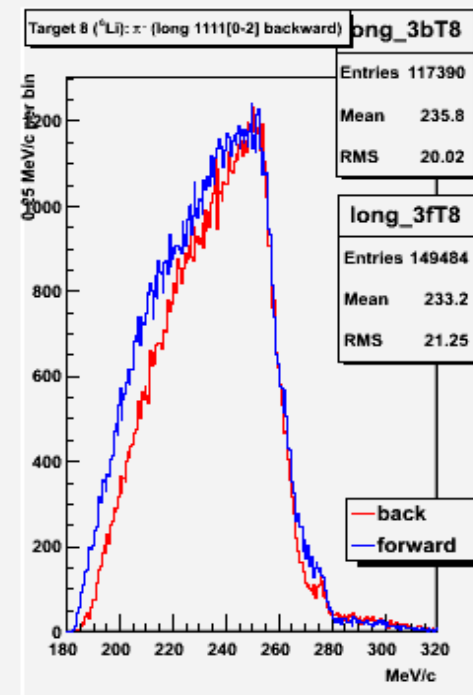
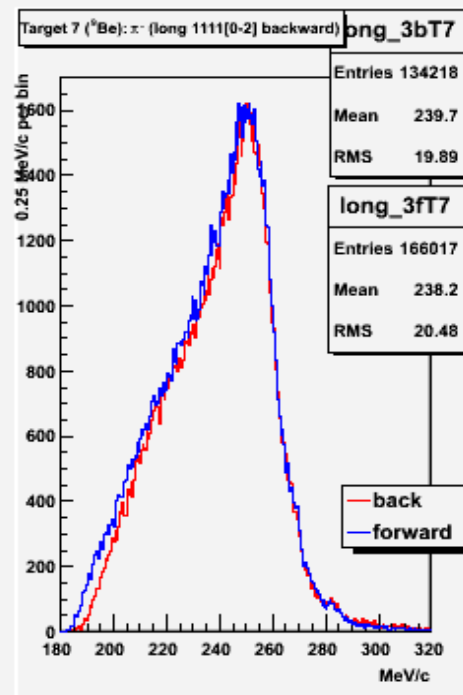
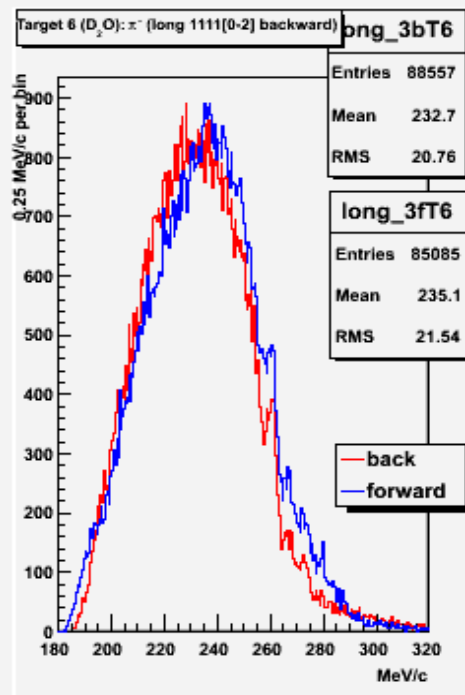
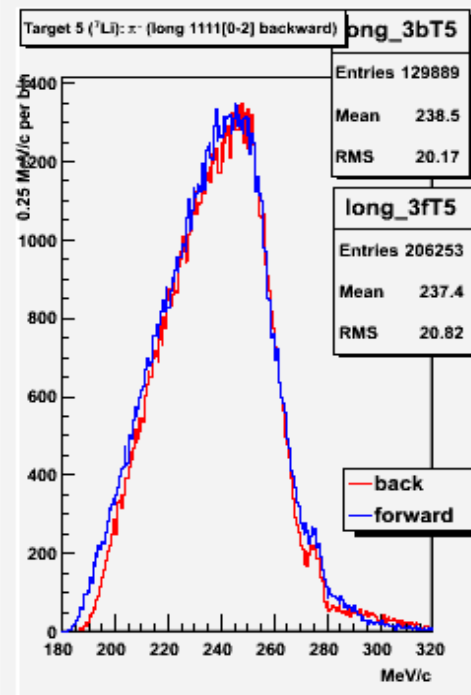
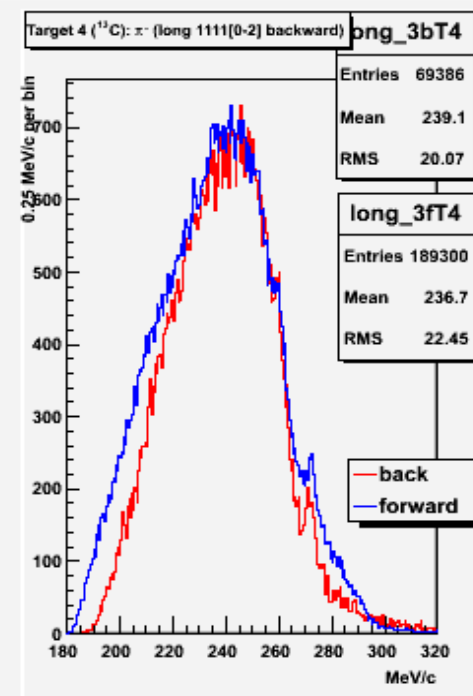
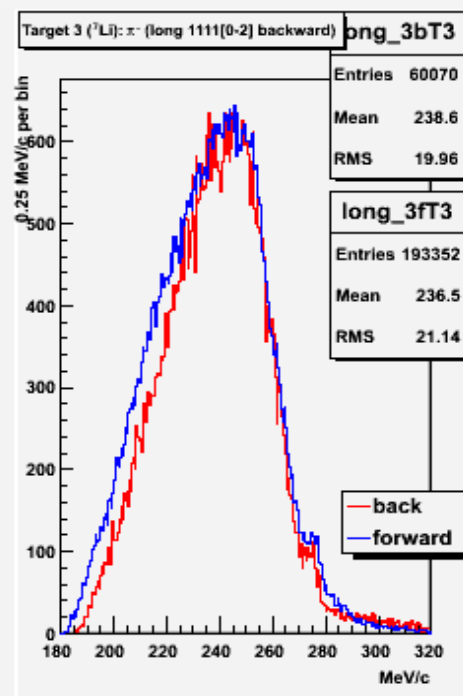
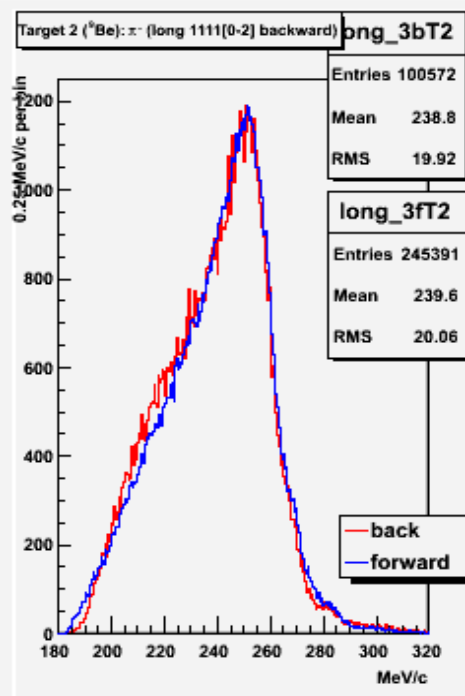
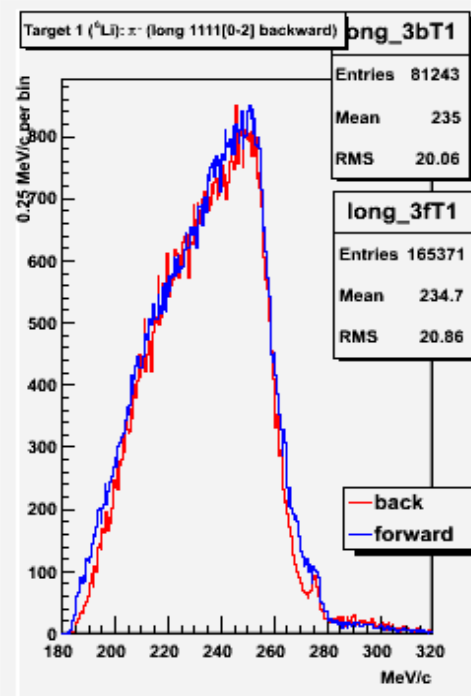


Bw. vs. Fw.

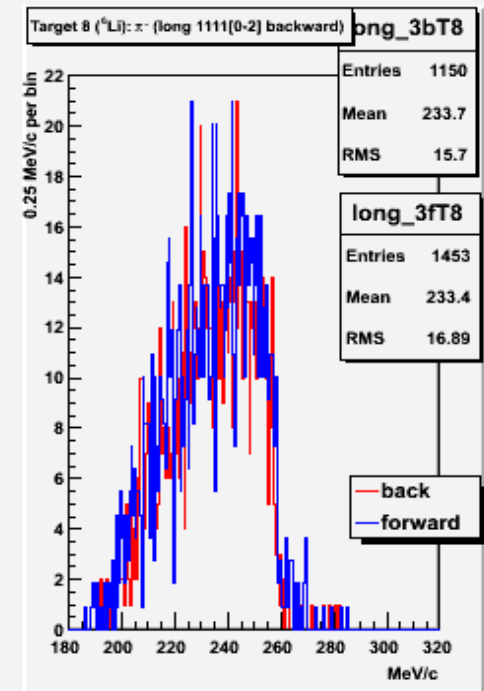
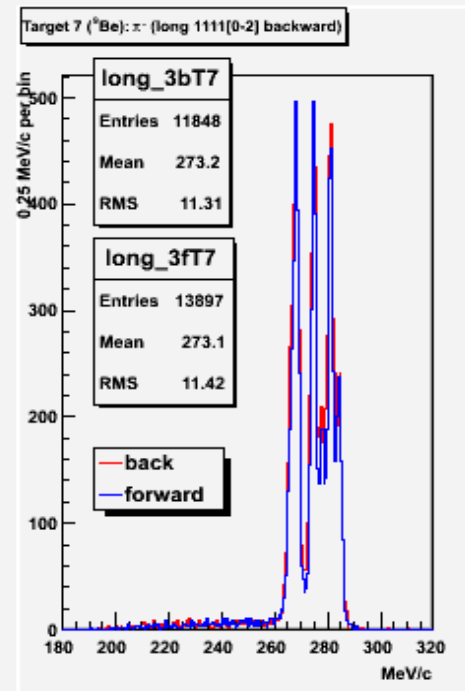
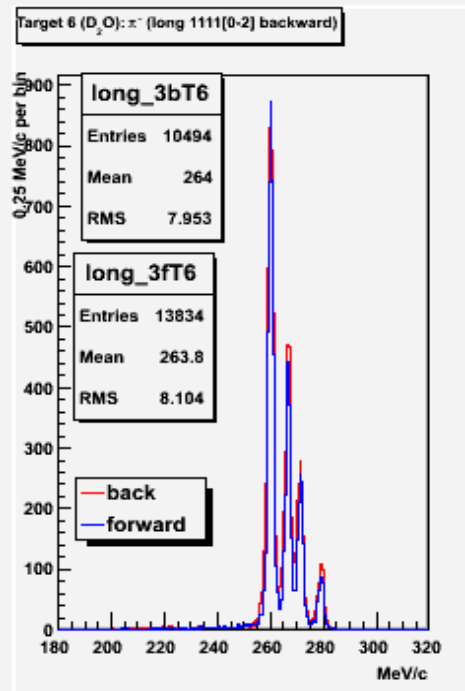
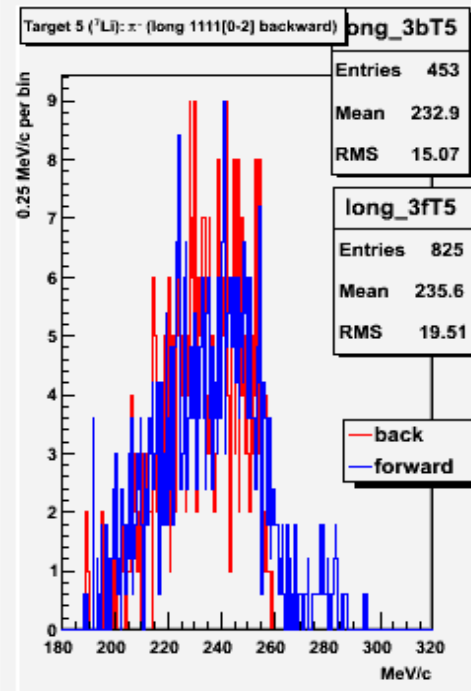
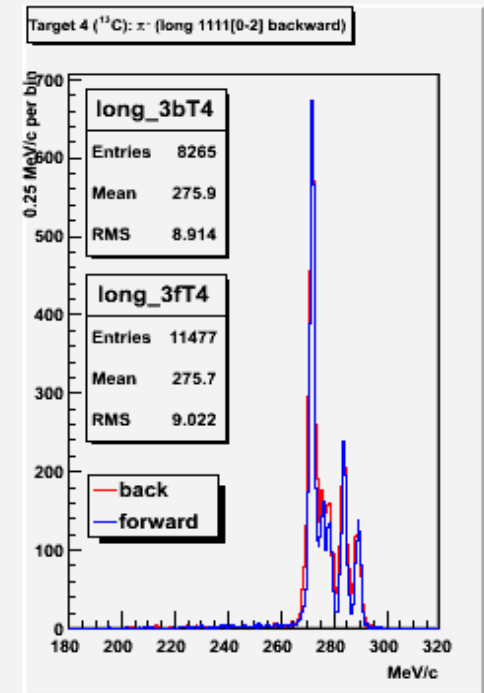
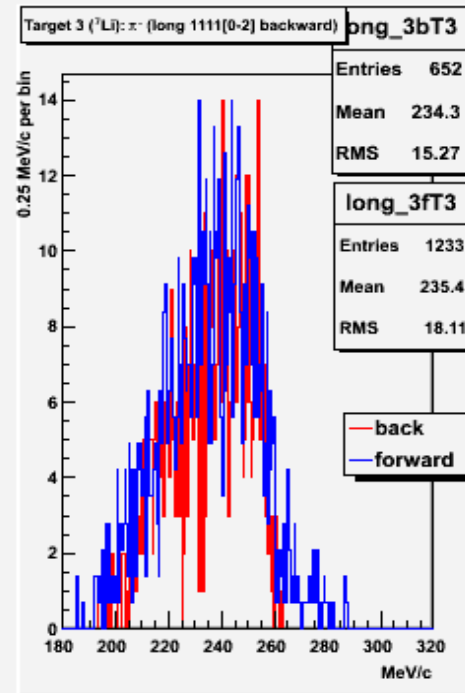
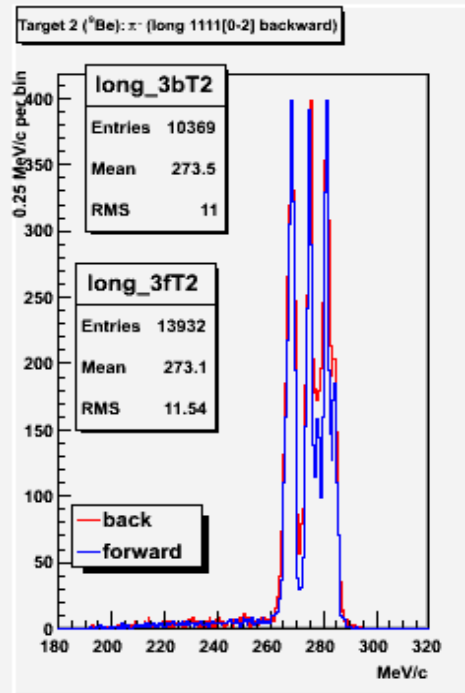
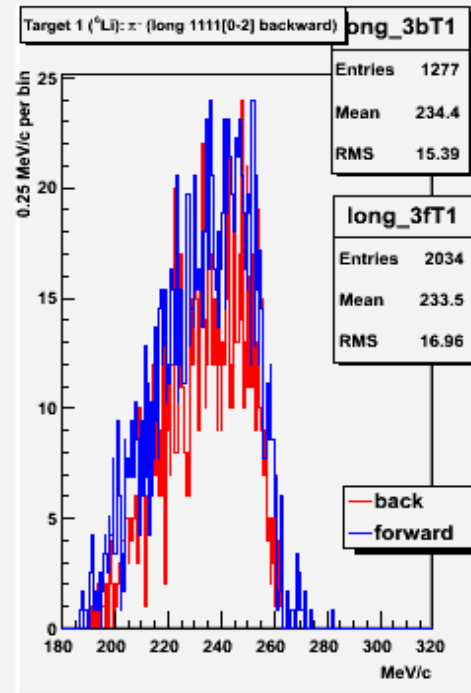
Dati e Monte Carlo

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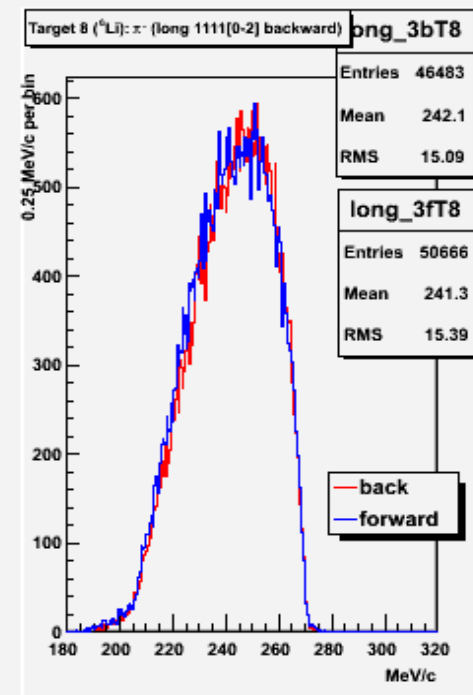
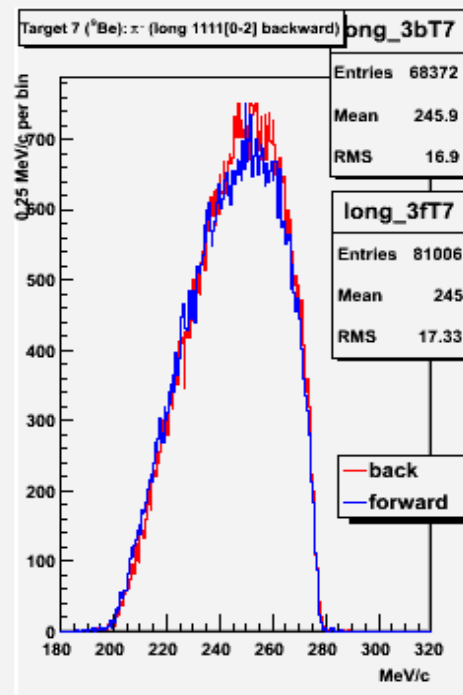
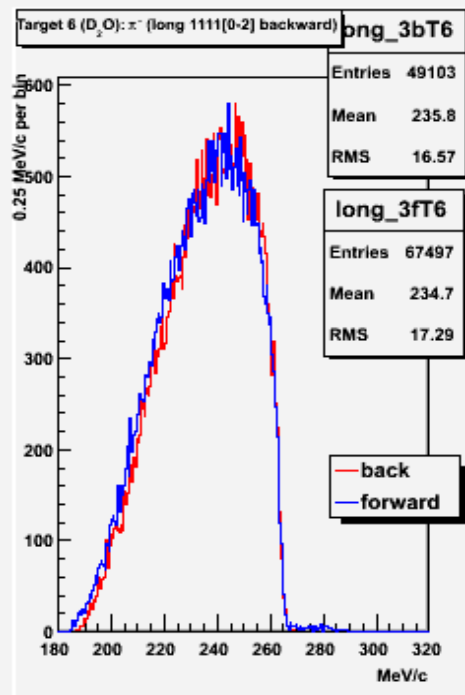
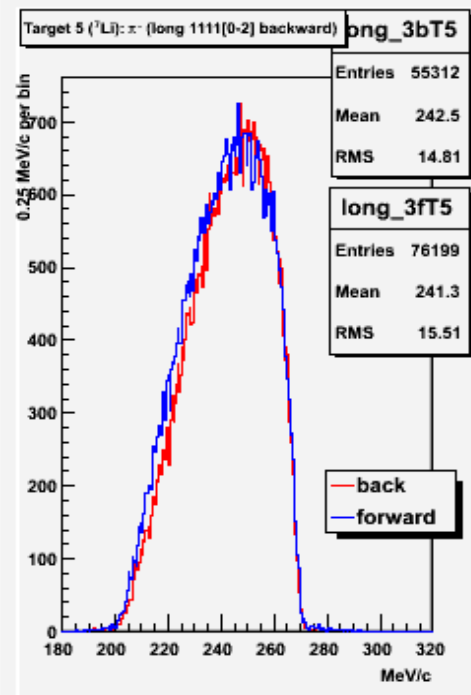
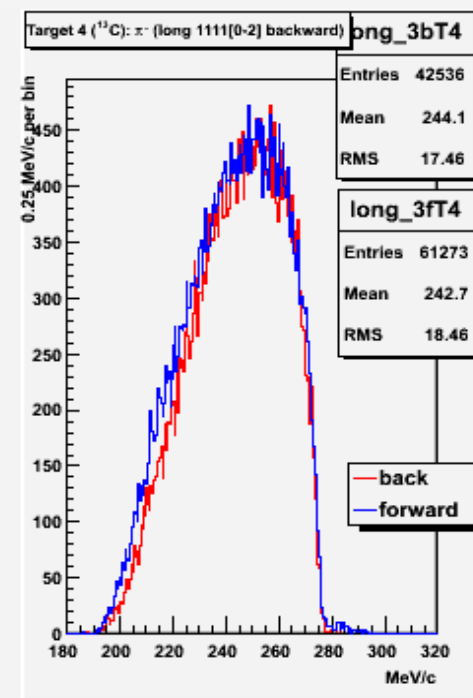
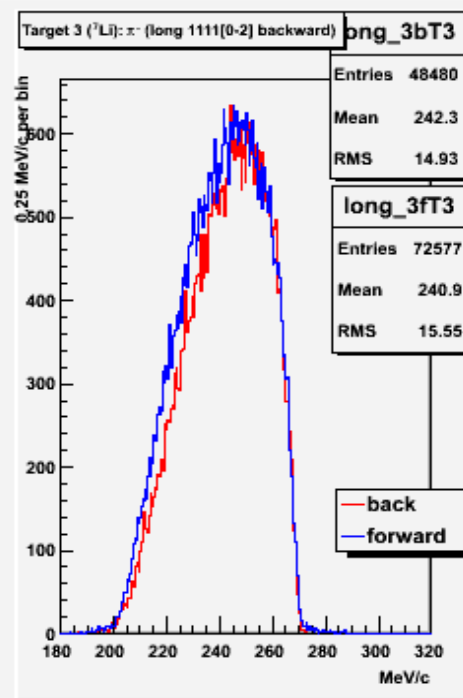
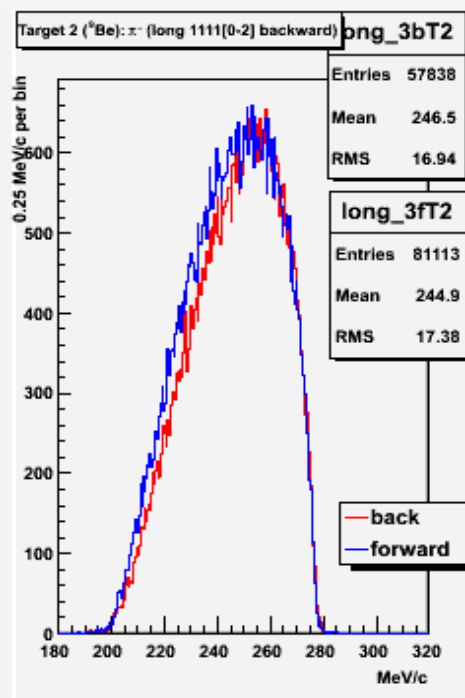
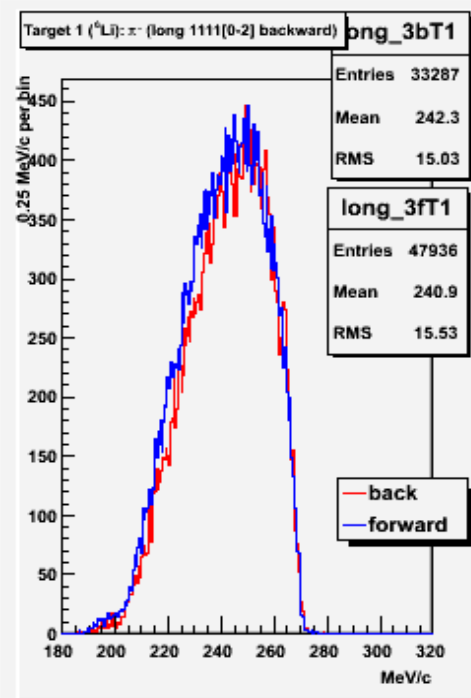
Data loose cuts



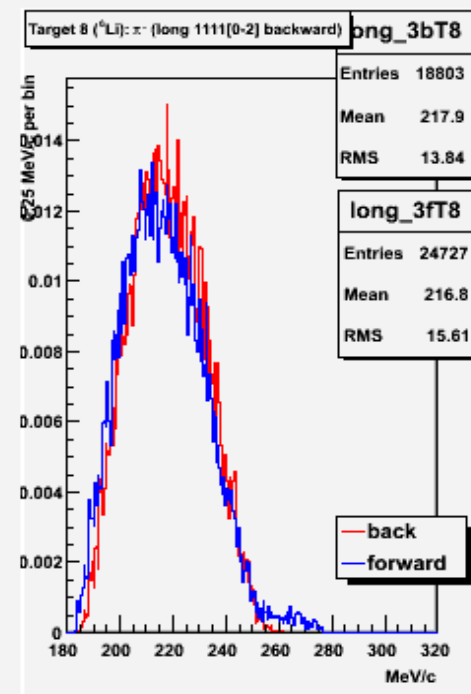
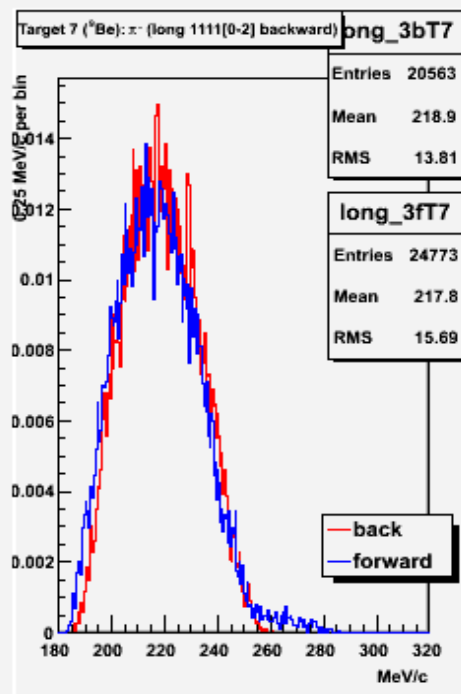
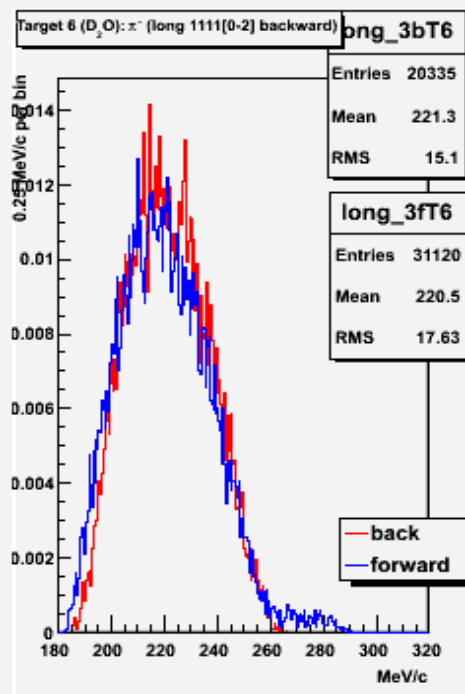
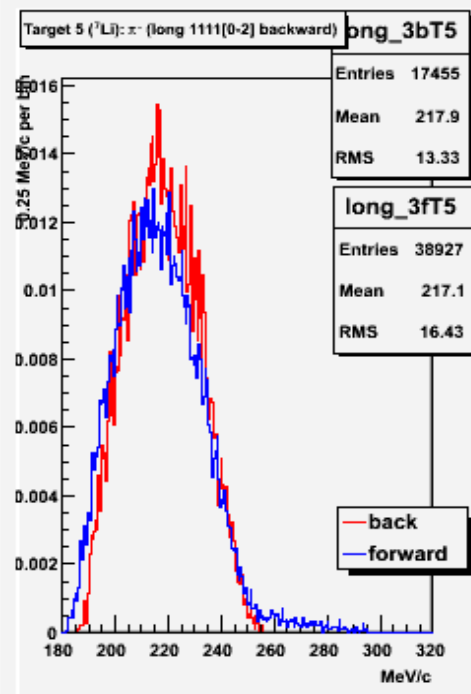
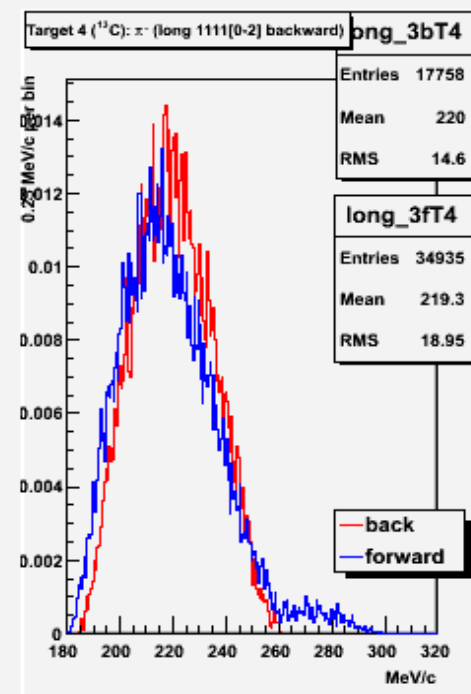
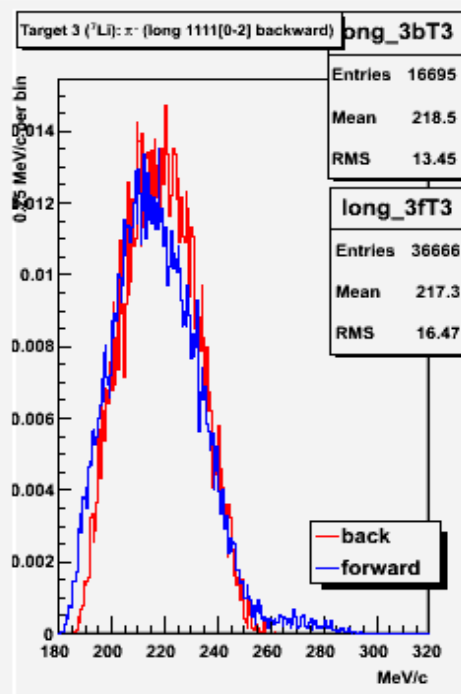
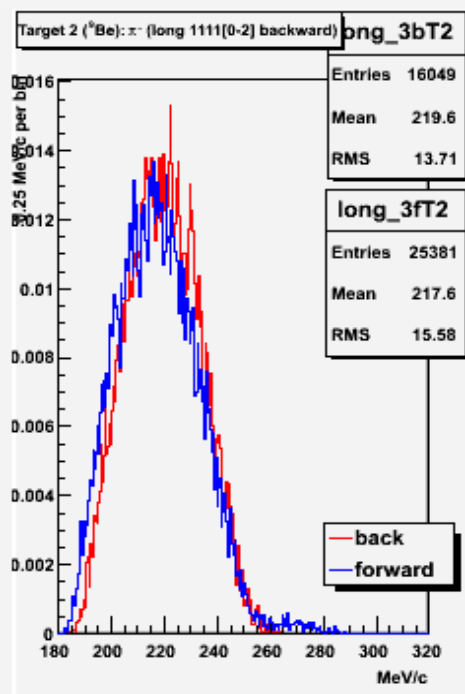
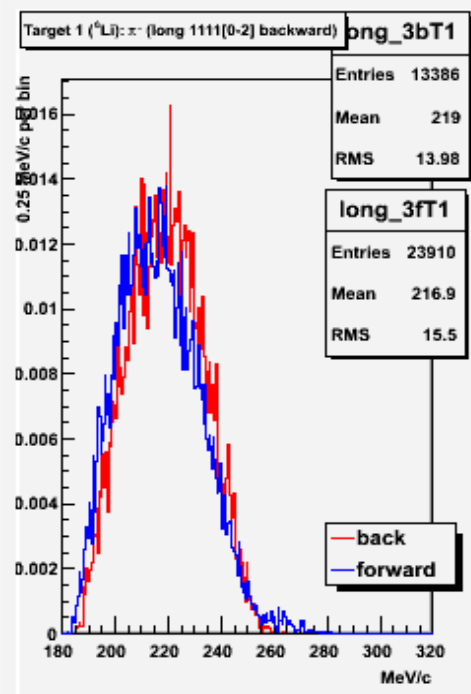
MC signal loose cuts



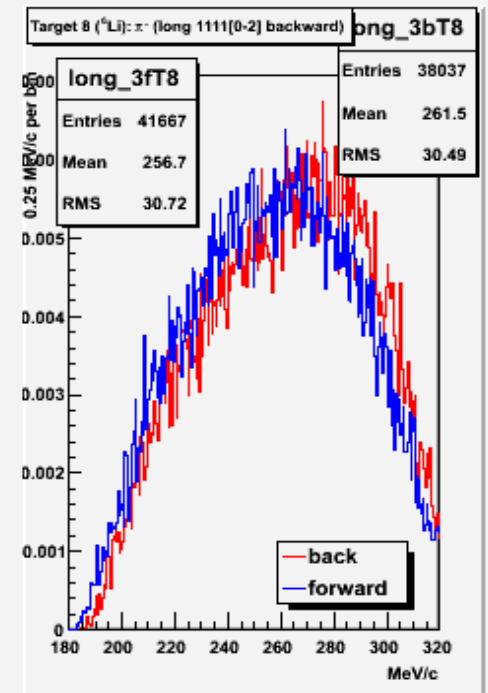
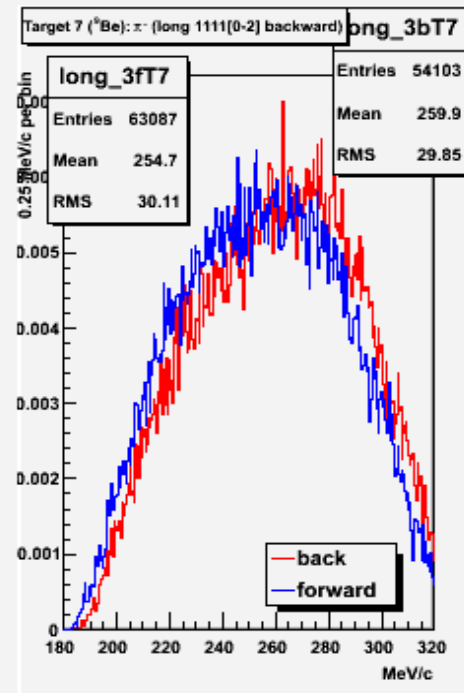
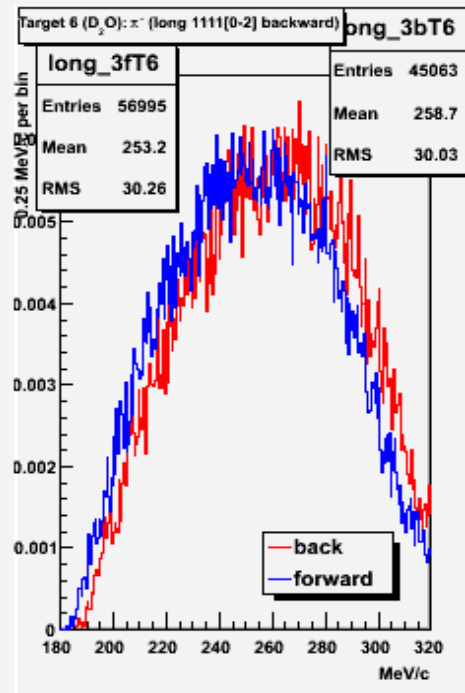
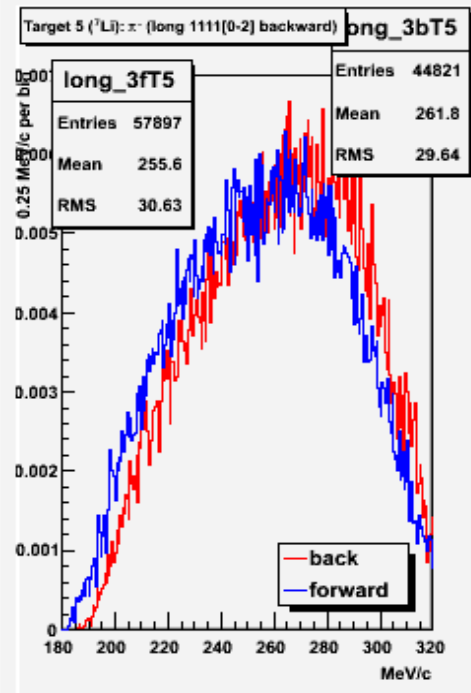
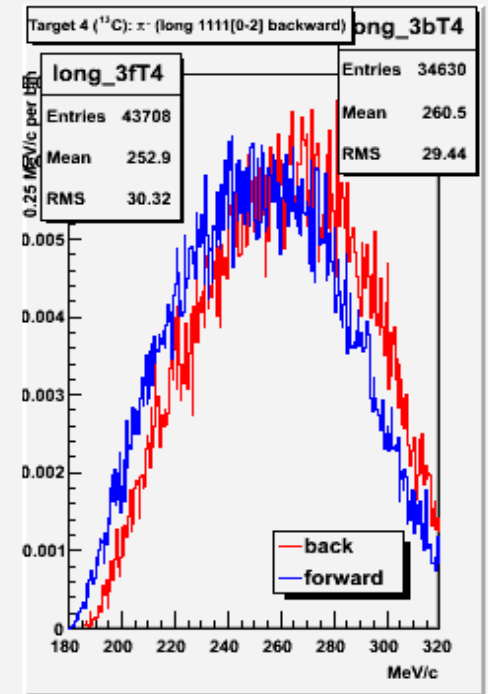
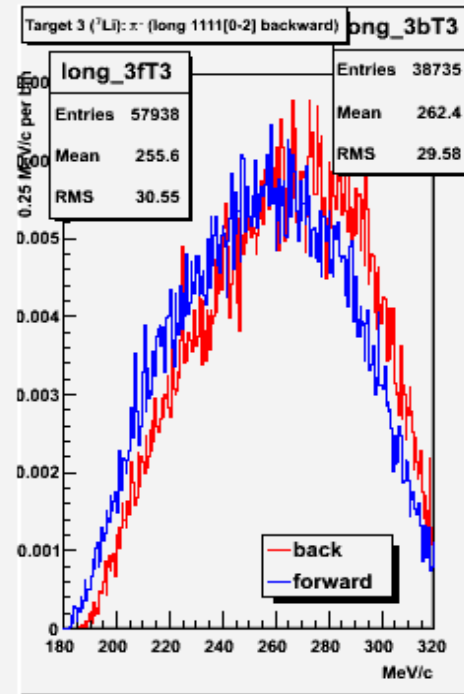
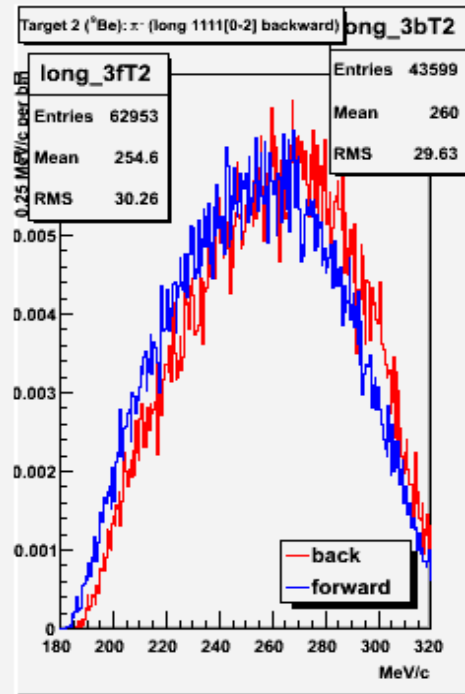
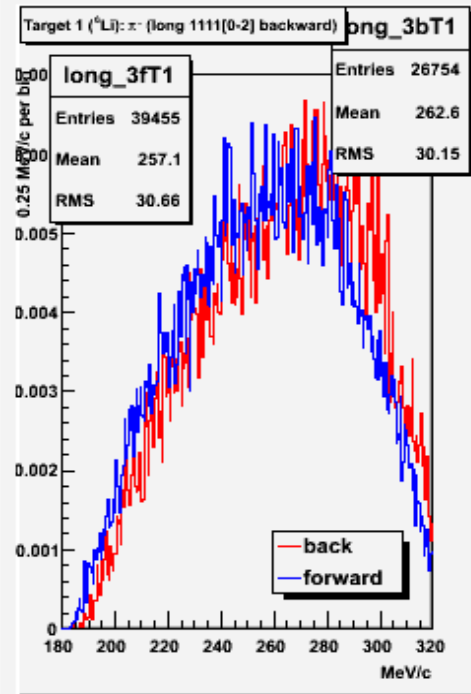
MC background loose cuts: $K^- + n \rightarrow \Lambda + \pi^-$



MC back loose cuts: $K^- + p \rightarrow \Sigma^- + \pi^+$



MC back loose cuts: $K^- + np \rightarrow \Sigma^- + p$

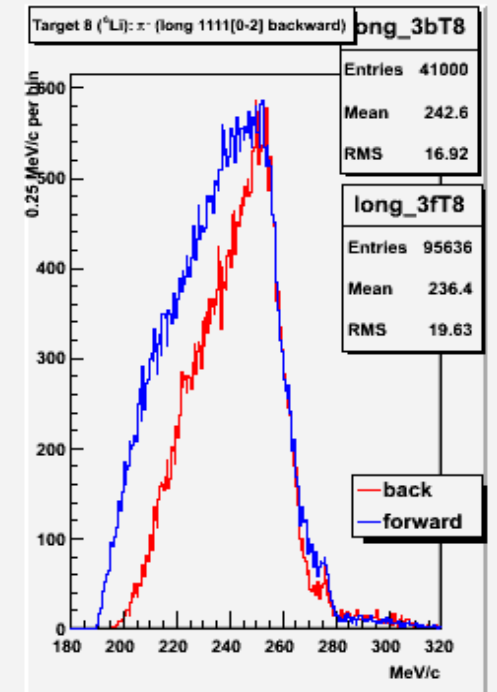
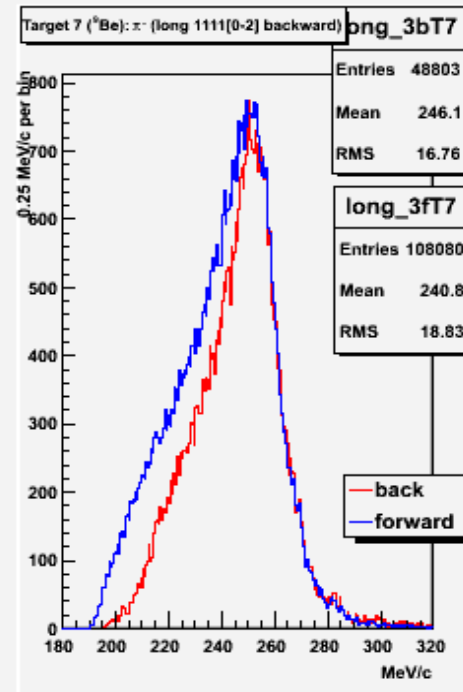
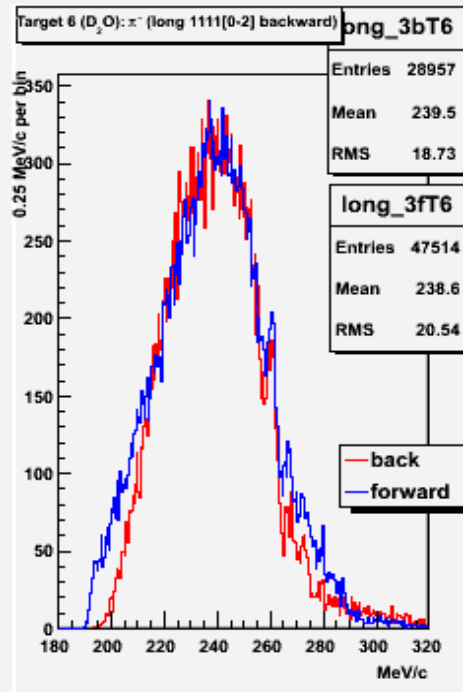
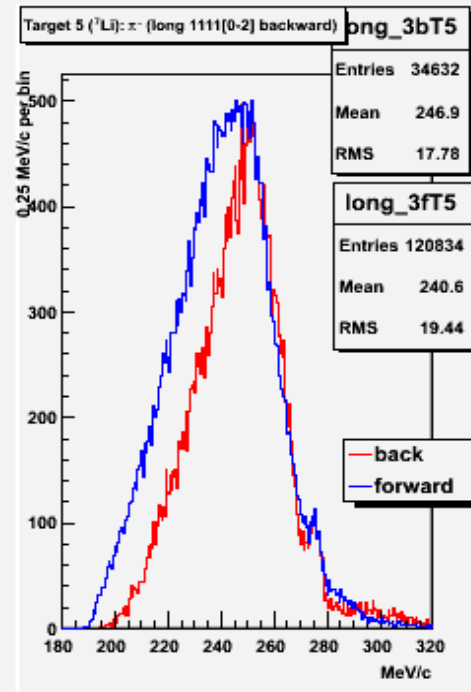
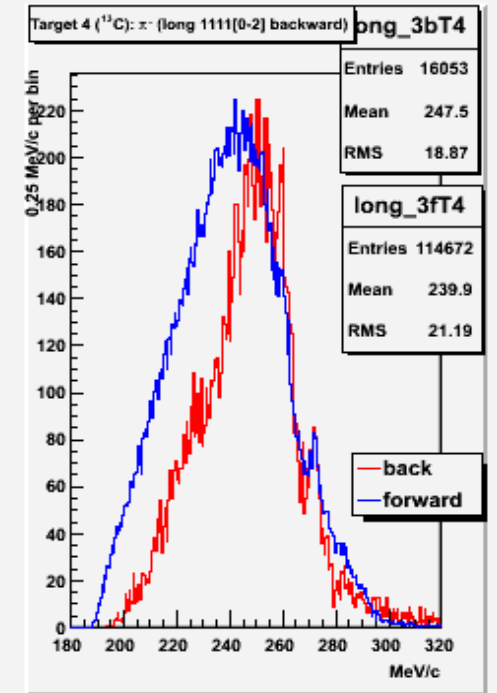
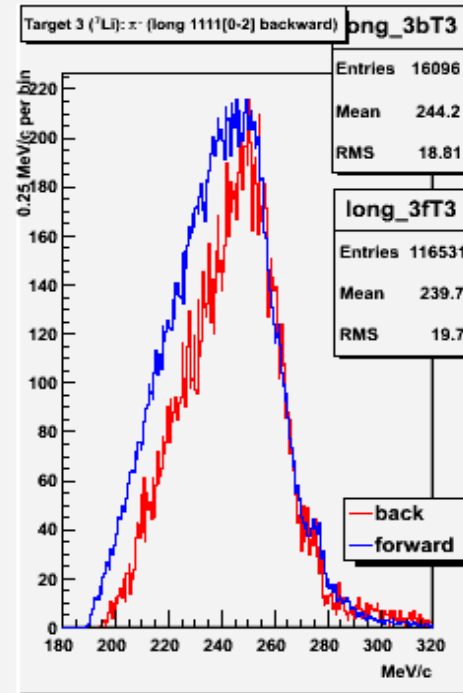
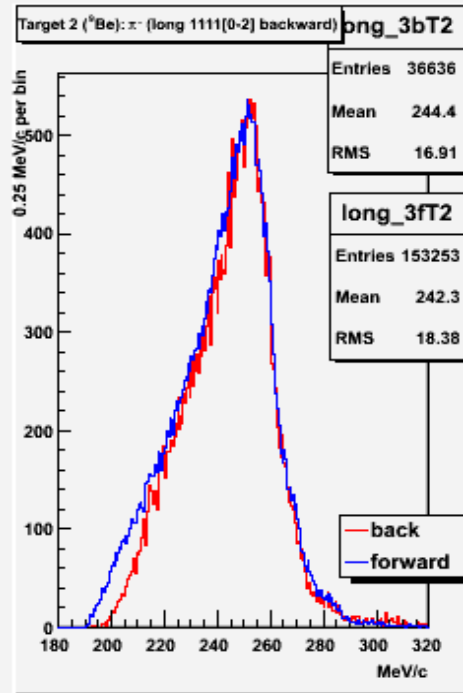
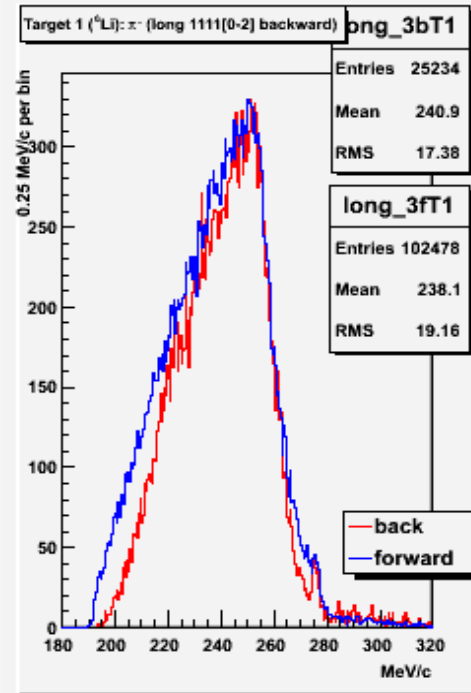


Bw. vs. Fw.

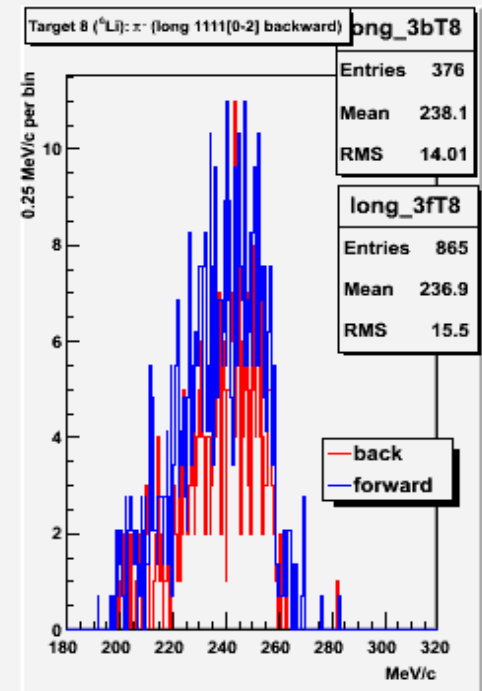
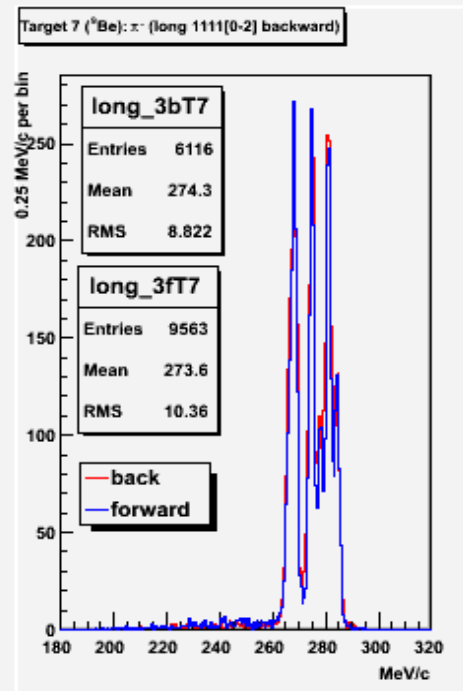
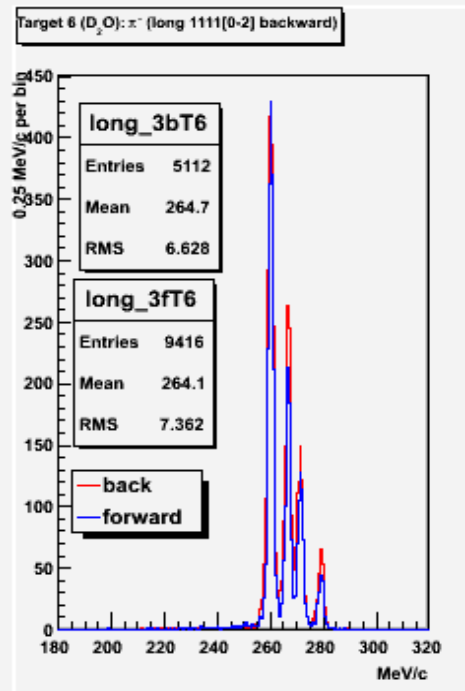
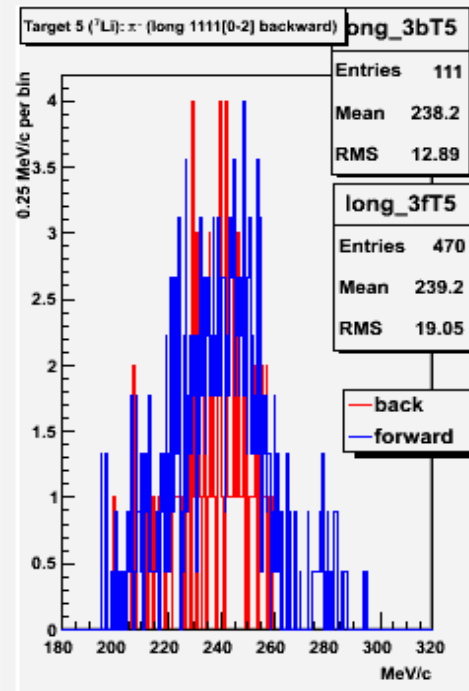
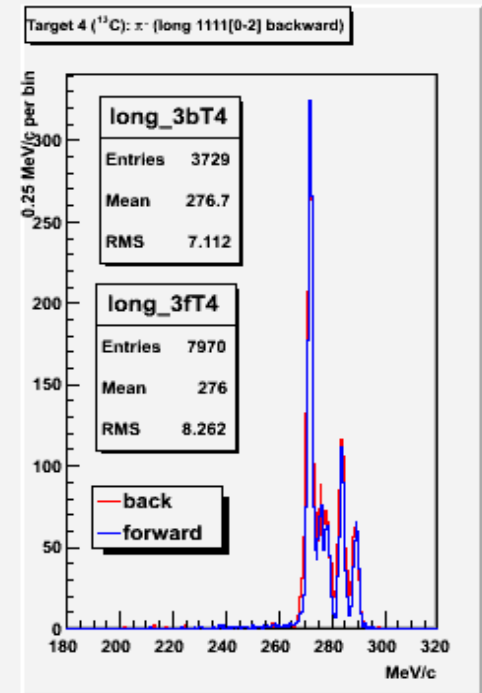
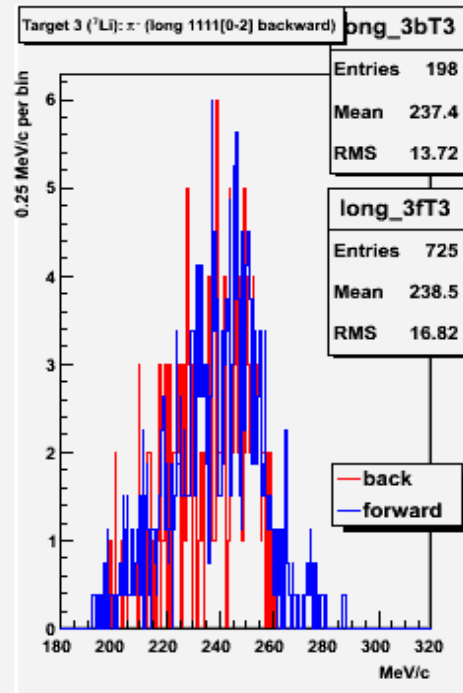
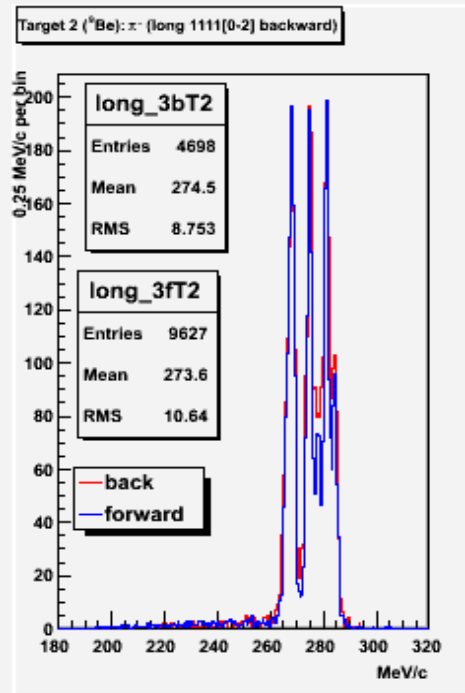
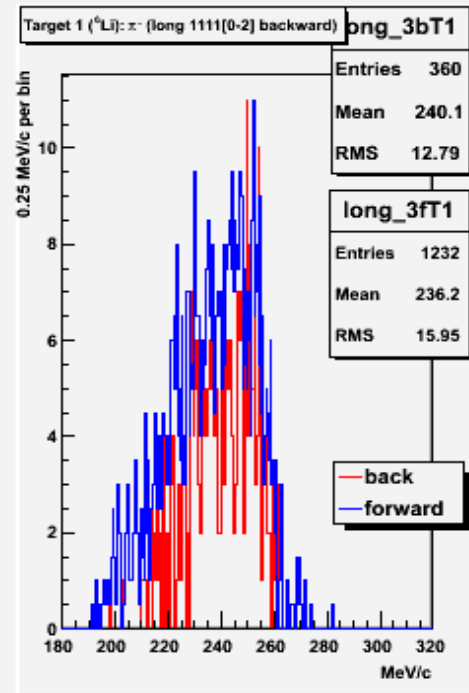
Dati e Monte Carlo

- No Cuts
- **Loose Cuts:** Chrgmin== -1, Dispmin < 3, Disvmin < 3, Dev2min < 10, Resdmin < 1, Vdktmin < 1, Stermin < 200
- **Tight Cuts:** Chrgmin== -1, Mlpmin== 9, Dispmin < 1, Disvmin < 1, Dev2min < 8, Resdmin < 0.9, Vdktmin < 0.6, Stermin < 200, |Tlenmin| < 160

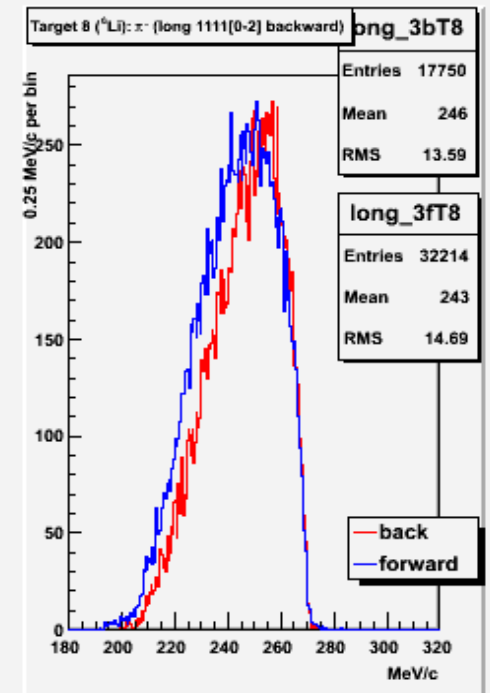
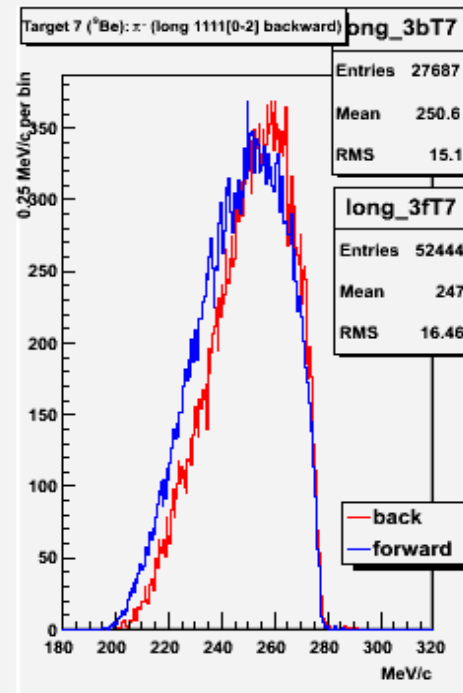
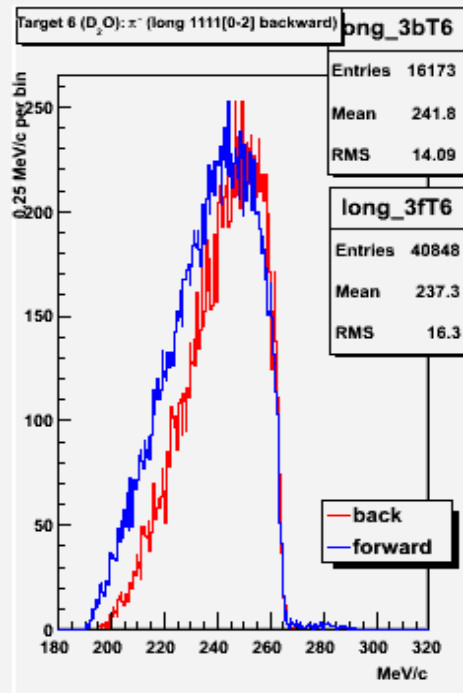
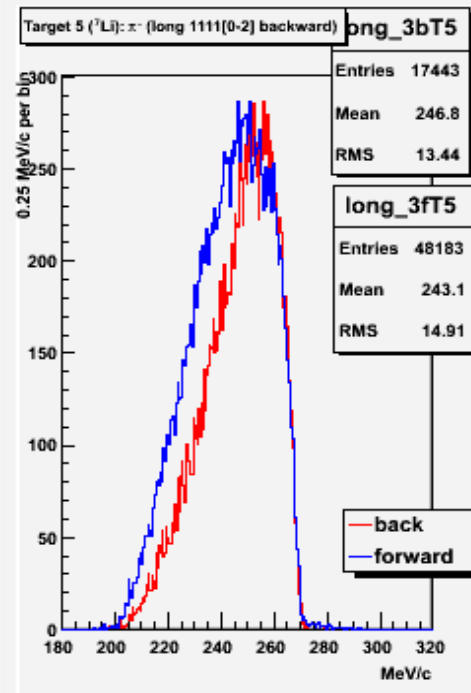
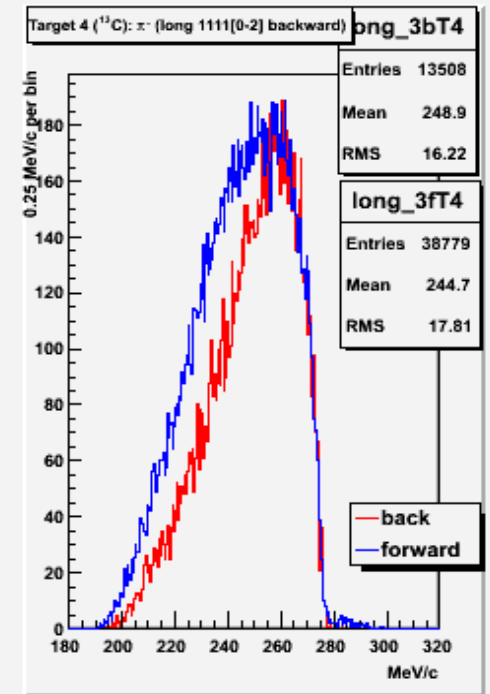
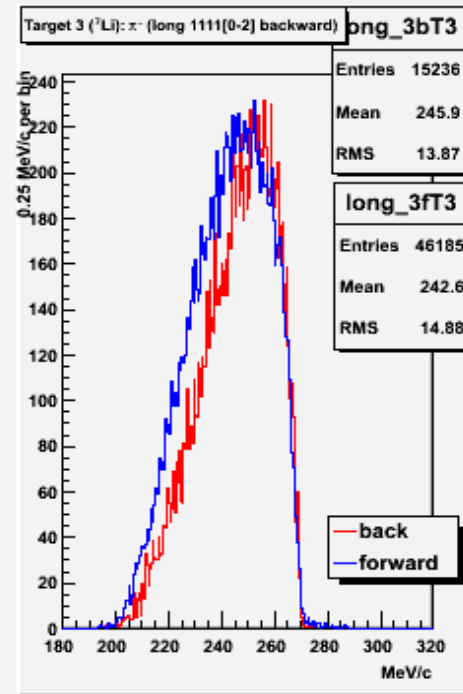
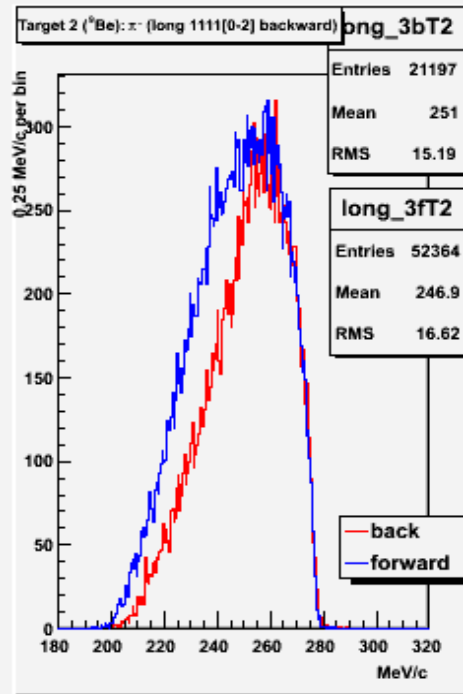
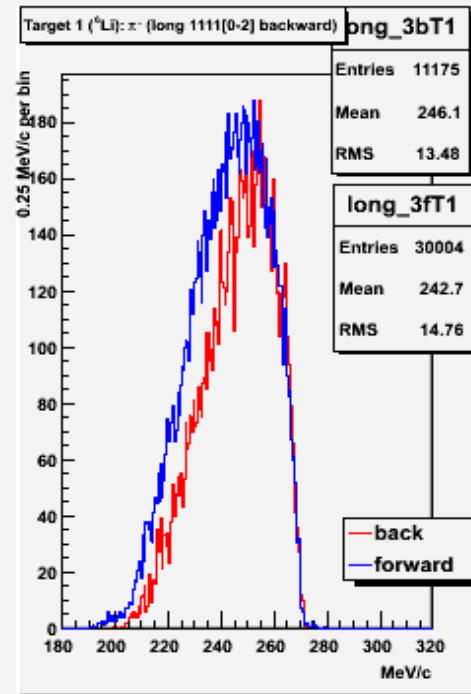
Data tight cuts



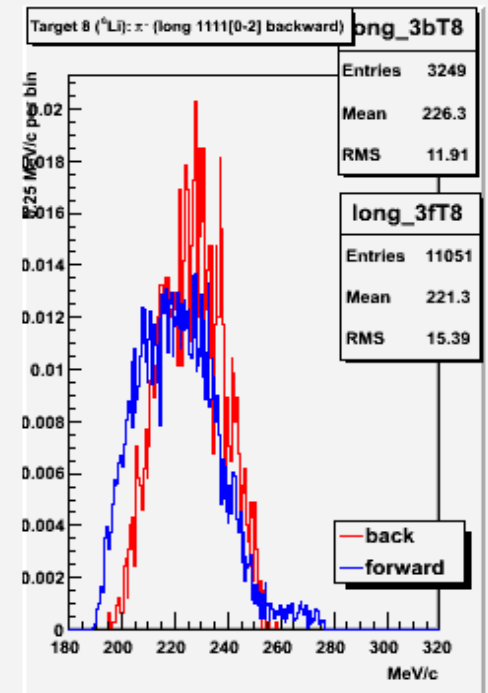
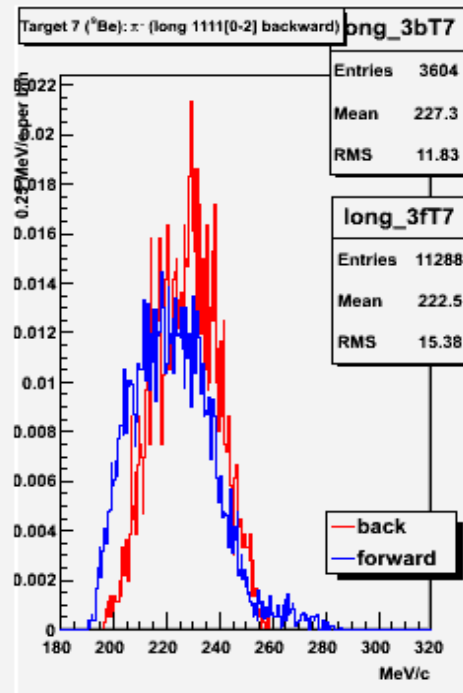
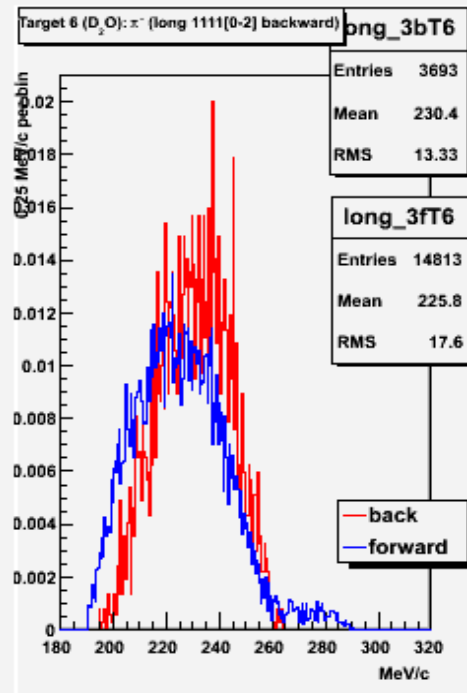
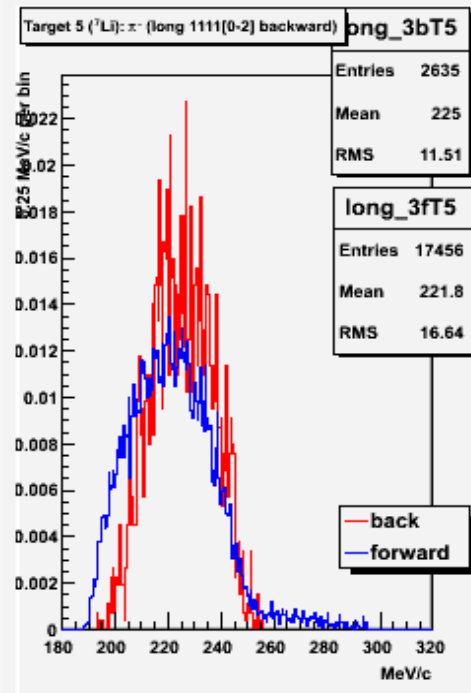
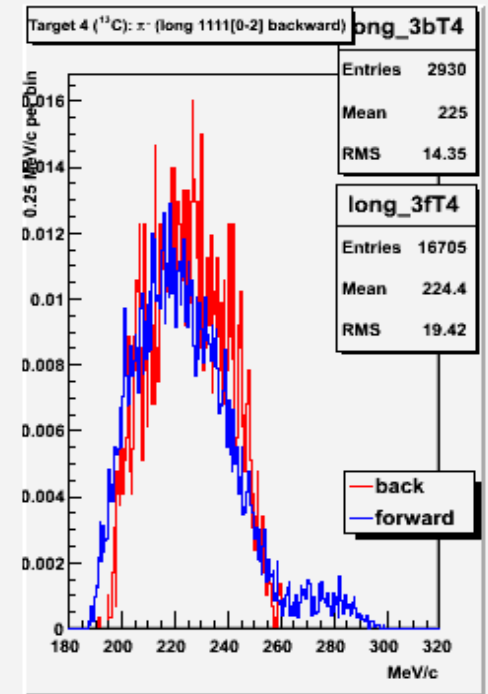
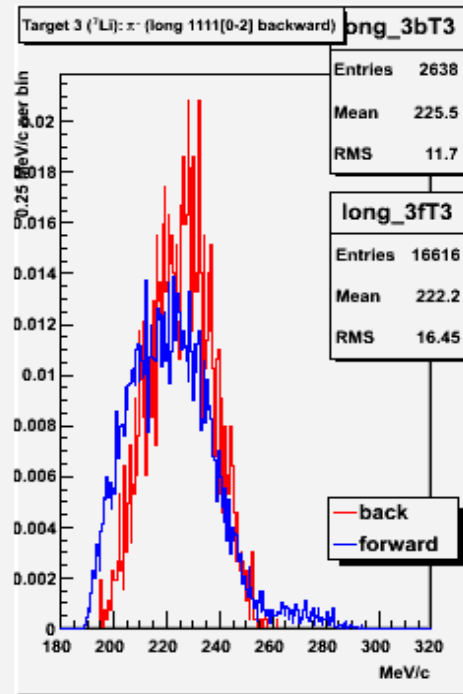
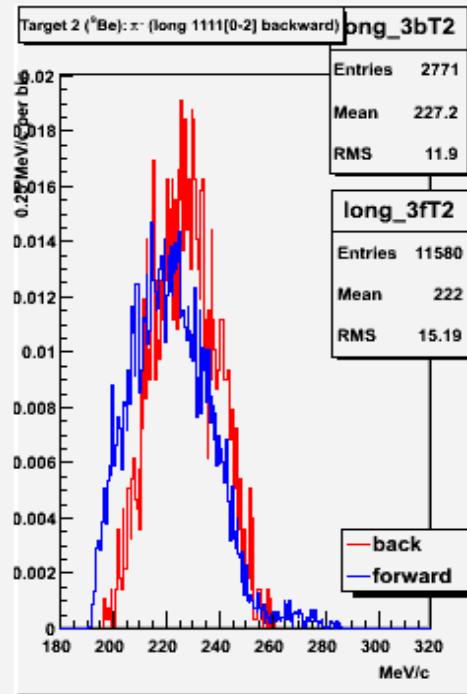
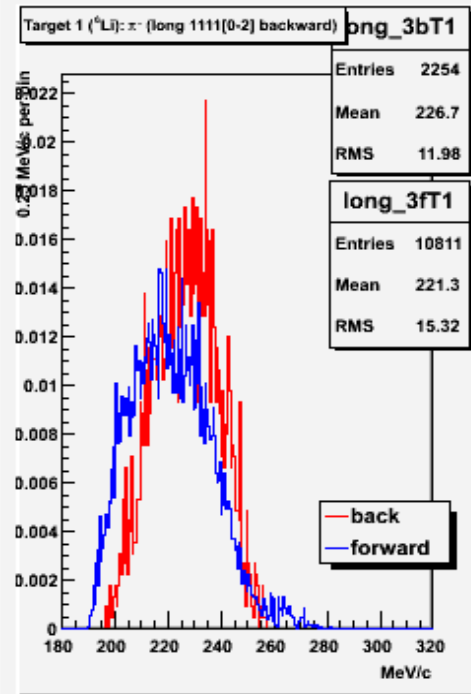
MC signal tight cuts



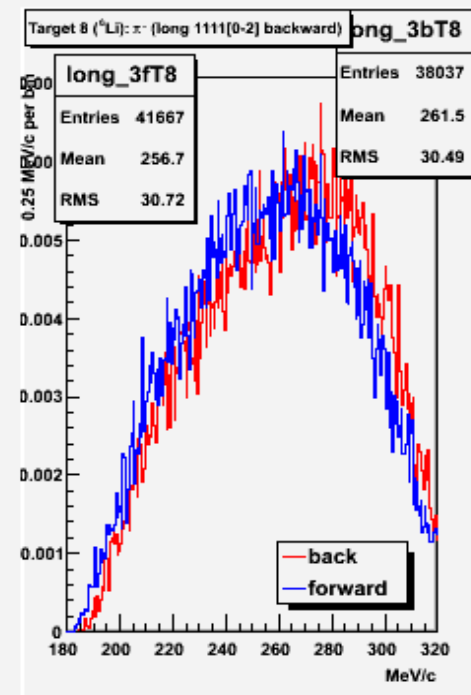
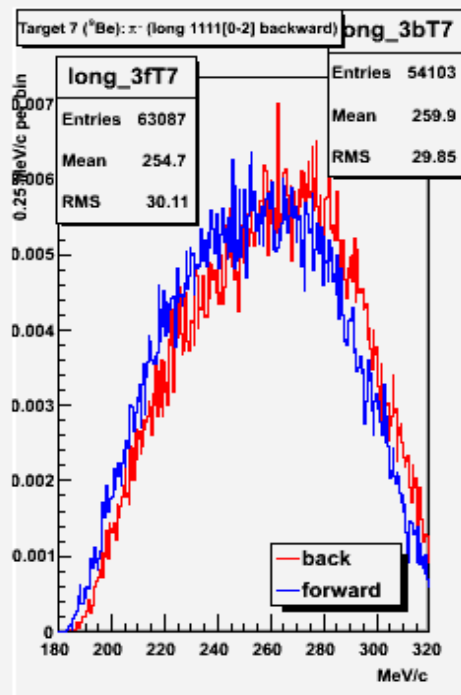
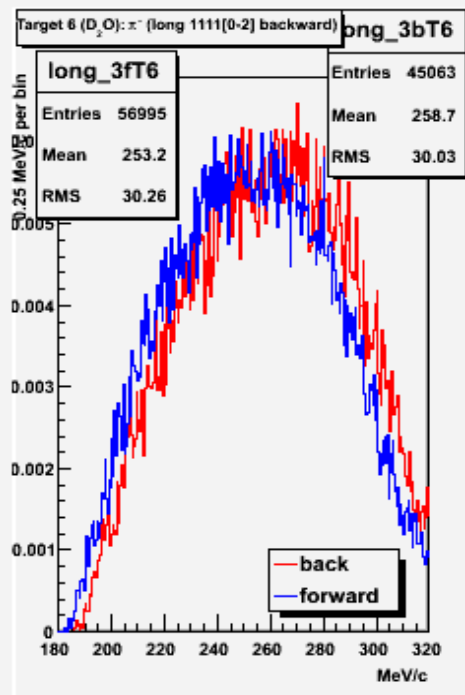
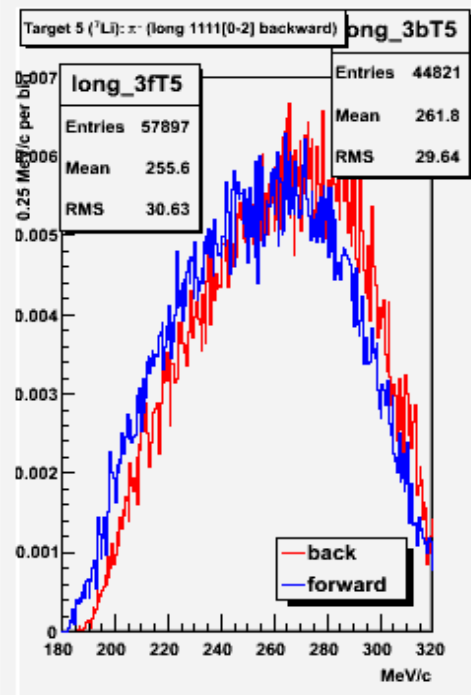
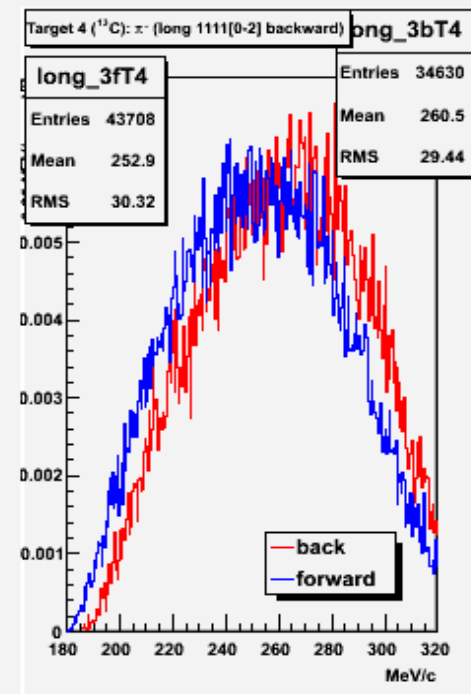
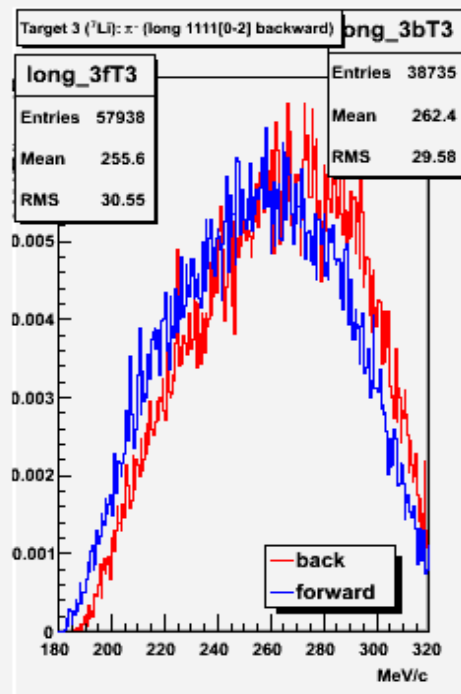
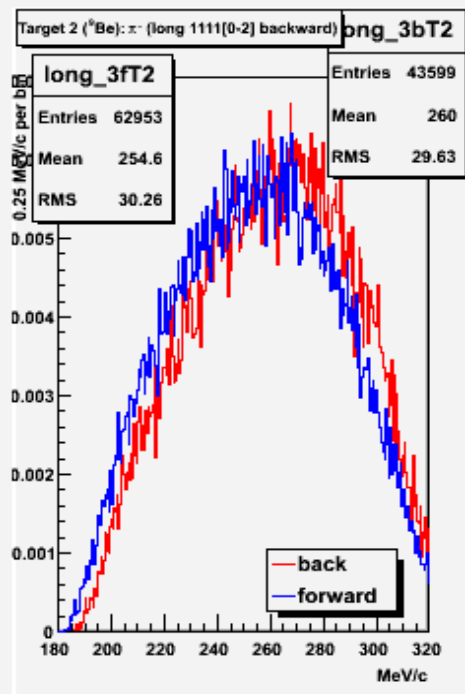
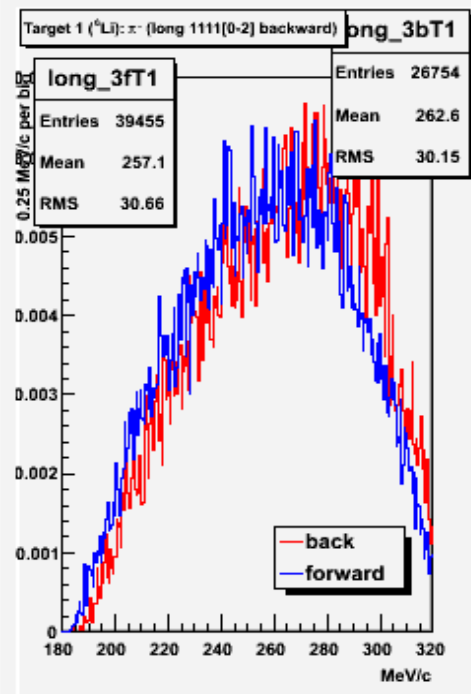
MC background tight cuts: $K^- + n \rightarrow \Lambda + \pi^-$



MC back tight cuts: $K^- + p \rightarrow \Sigma^- + \pi^+$



MC back tight cuts: $K^- + np \rightarrow \Sigma^- + p$



Variabili.

Dati vs. Monte Carlo

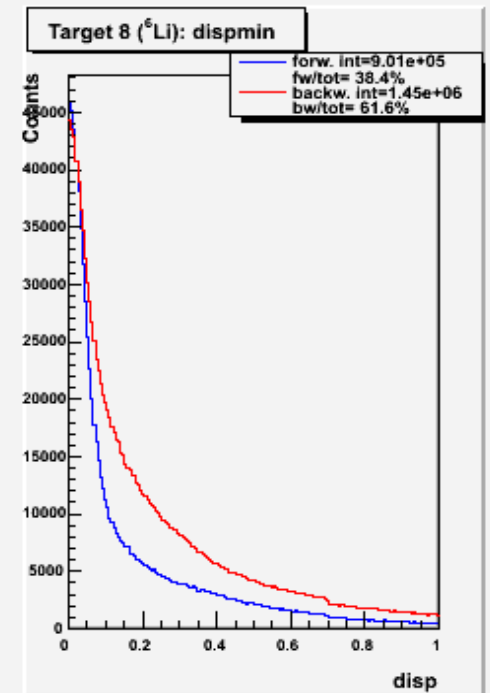
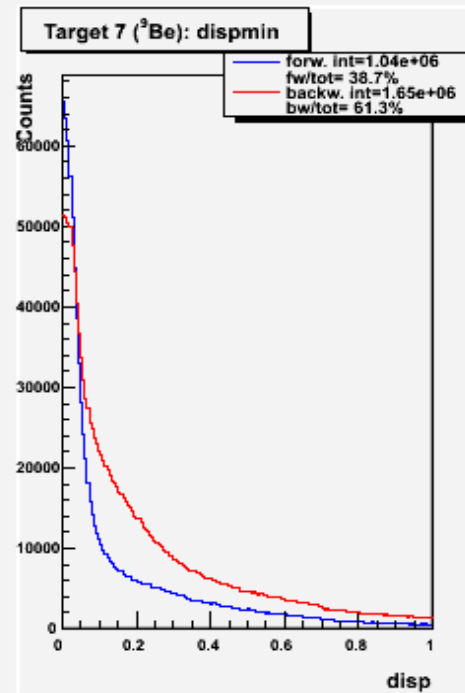
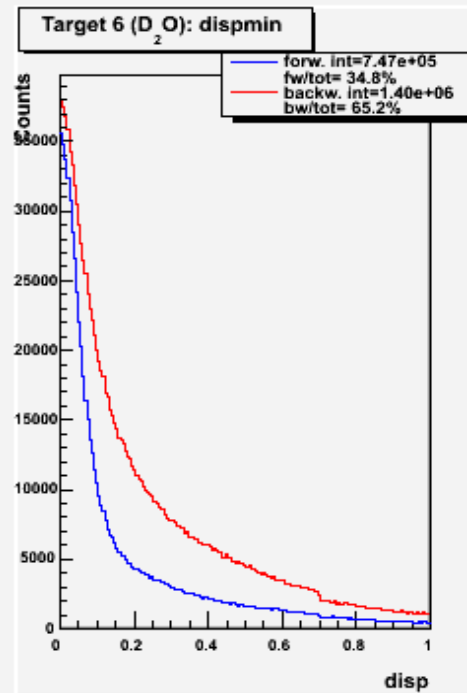
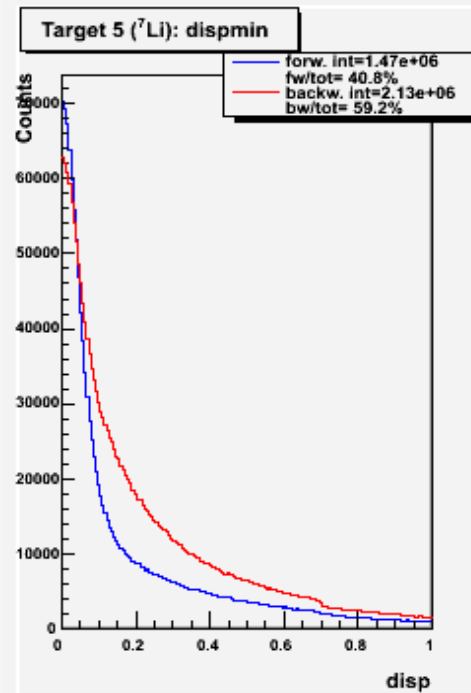
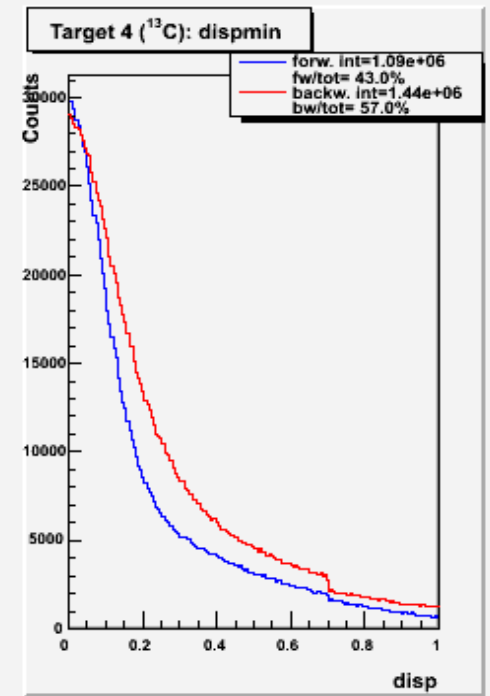
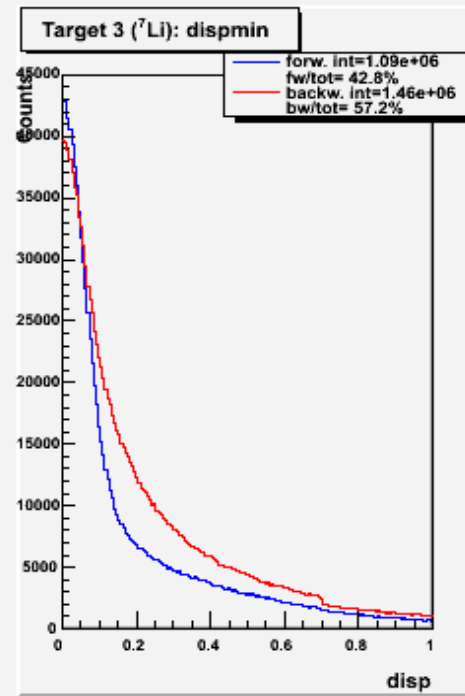
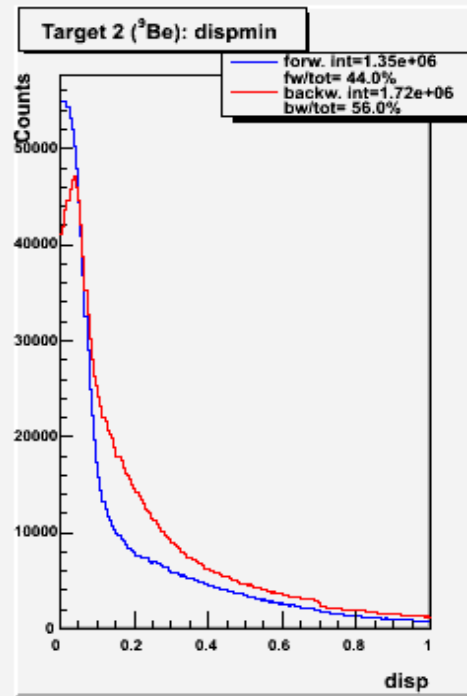
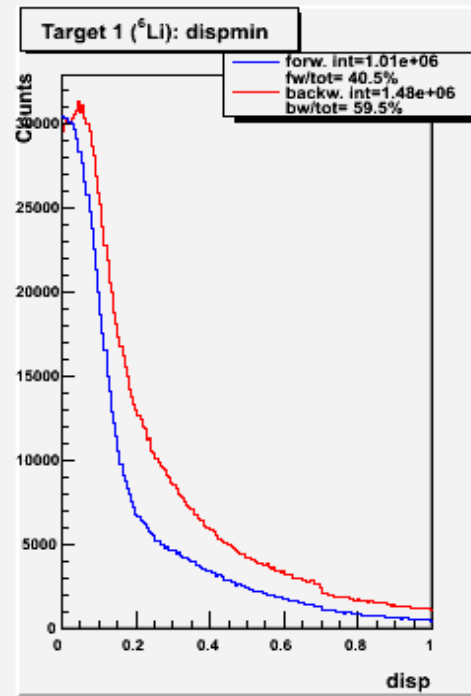
- No Cuts
- Loose Cuts
 -
 - Dispmin
 - Disvmin
 - Resdmin
 - Vdktmin
 - Xextrmin

Variabili.

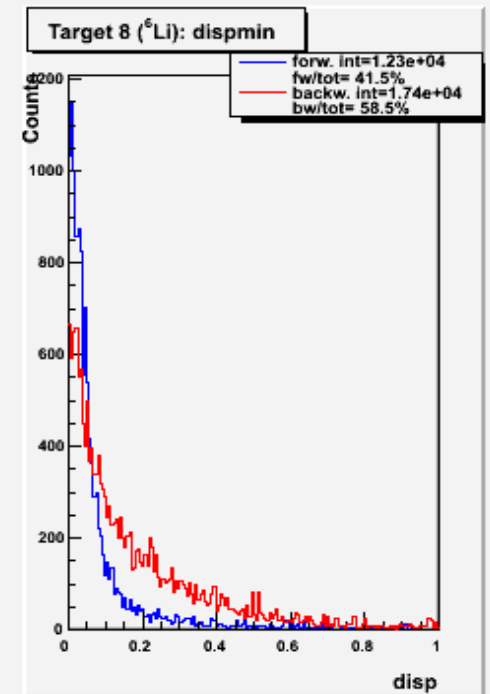
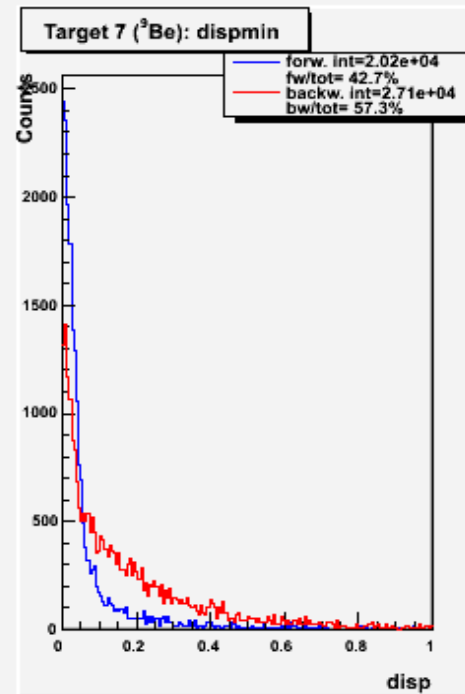
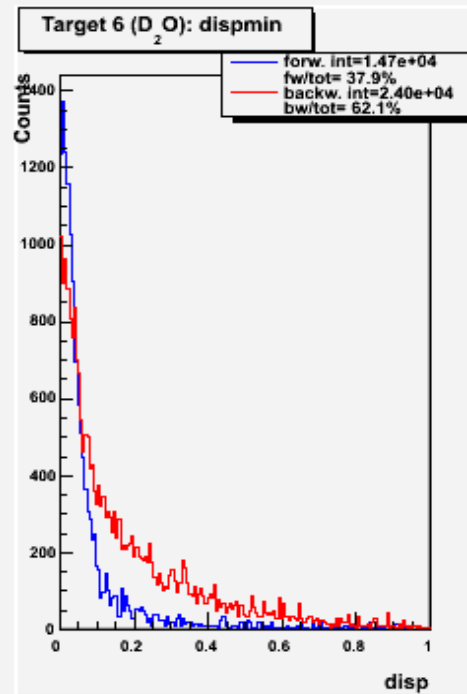
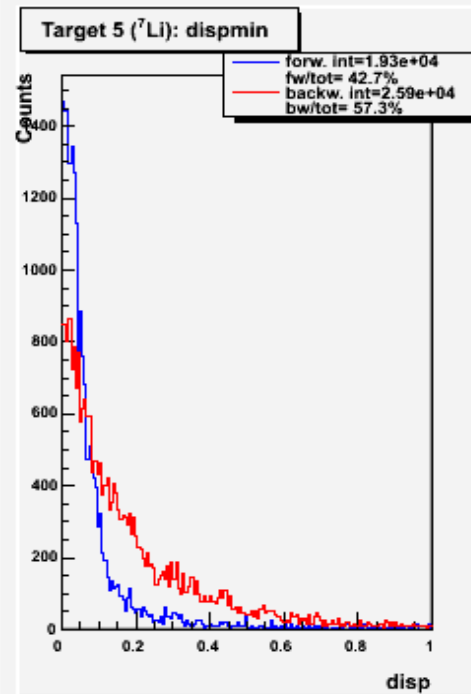
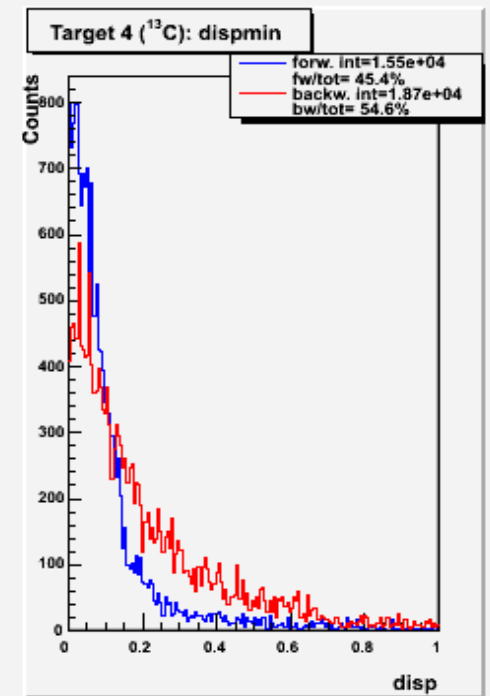
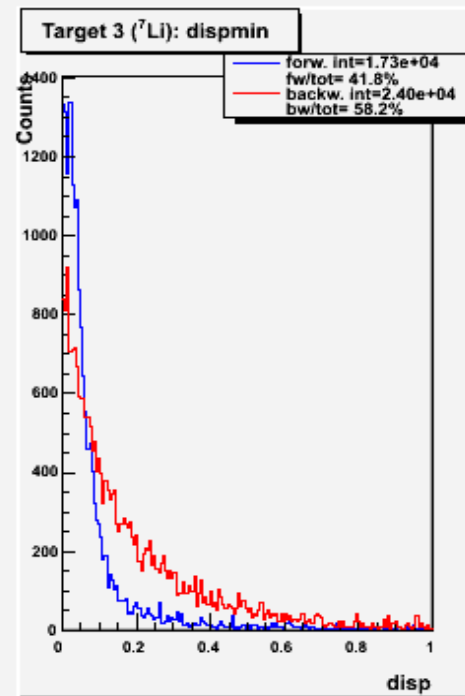
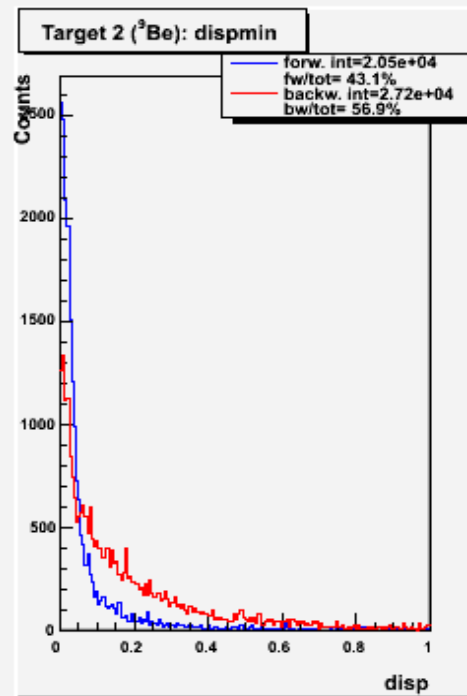
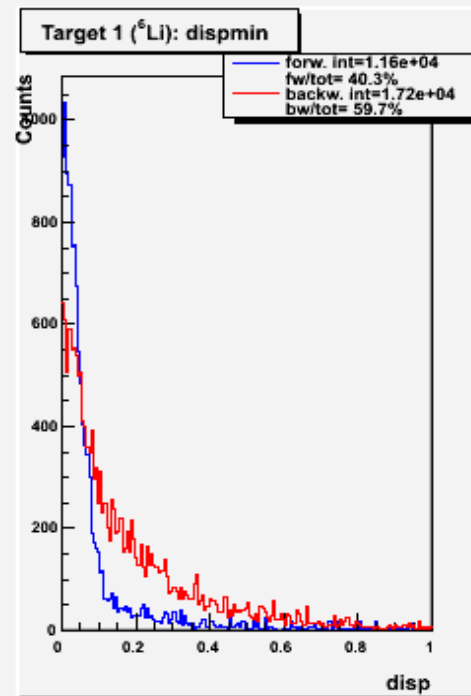
Dati vs. Monte Carlo

- **No Cuts**
- Loose Cuts
 -
 - Dispmin
 - Disvmin
 - Resdmin
 - Vdktmin
 - Xextrmin

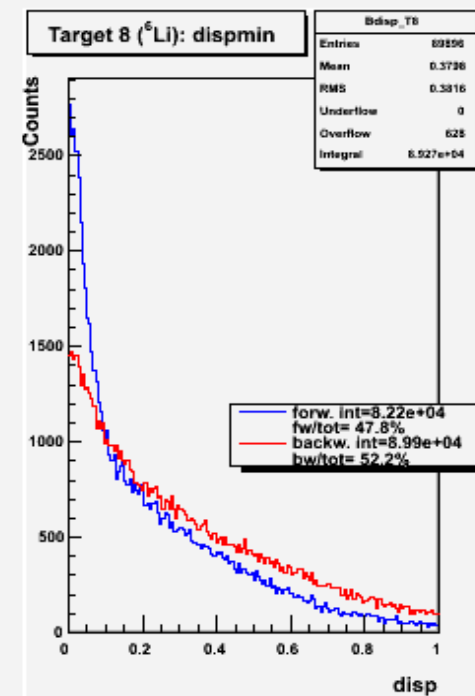
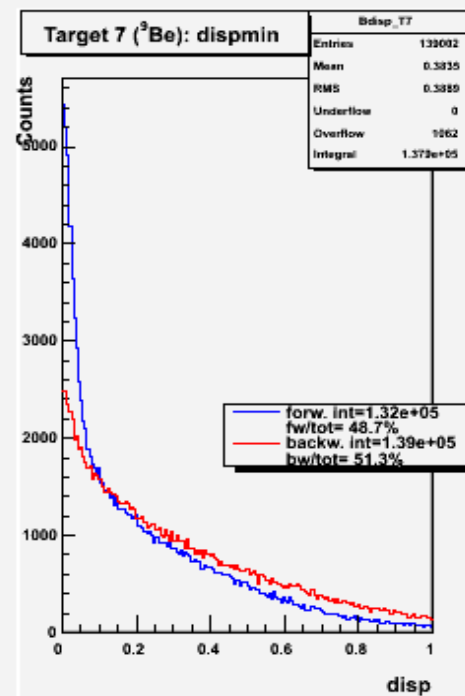
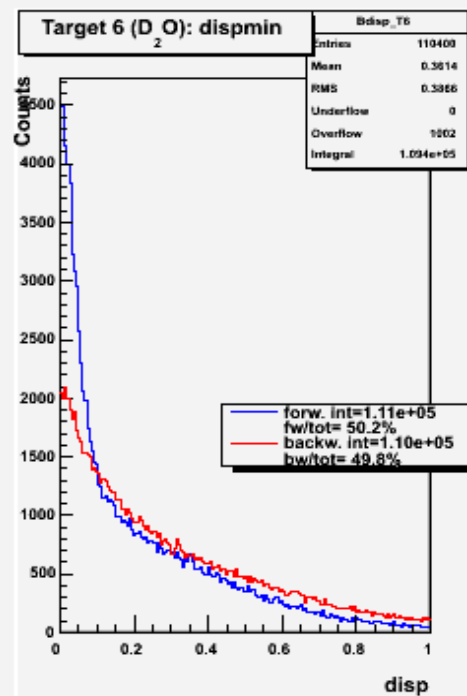
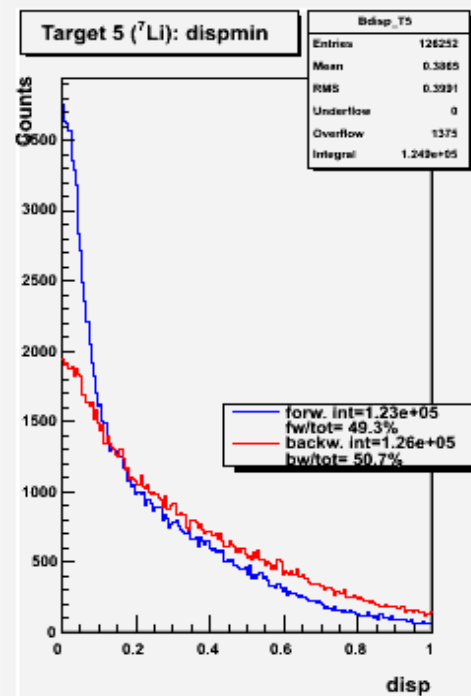
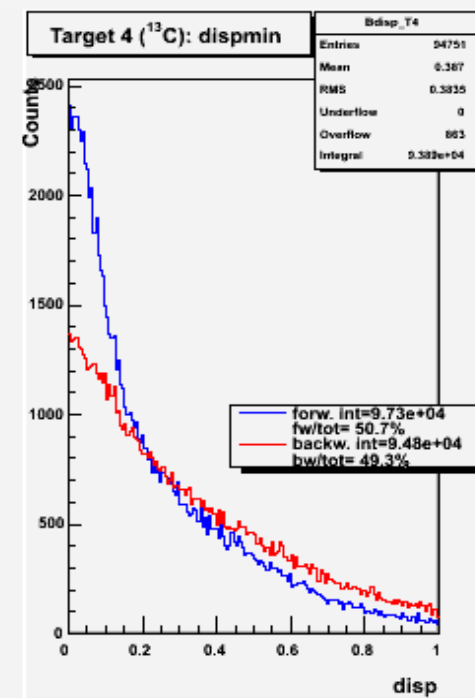
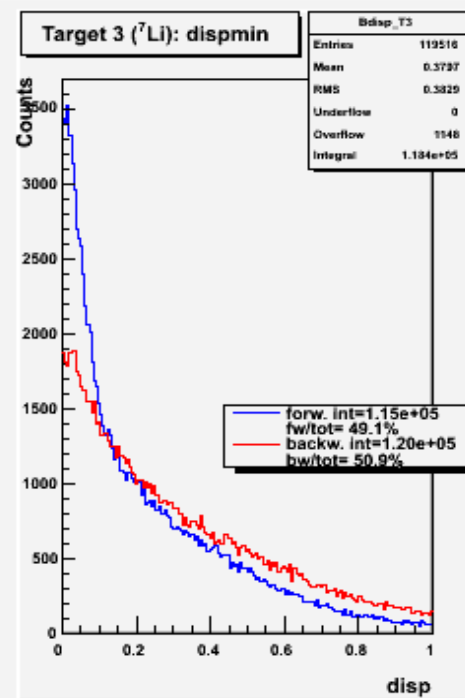
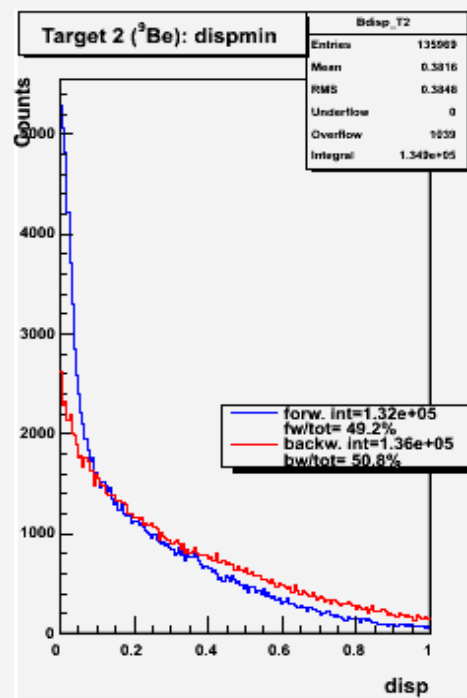
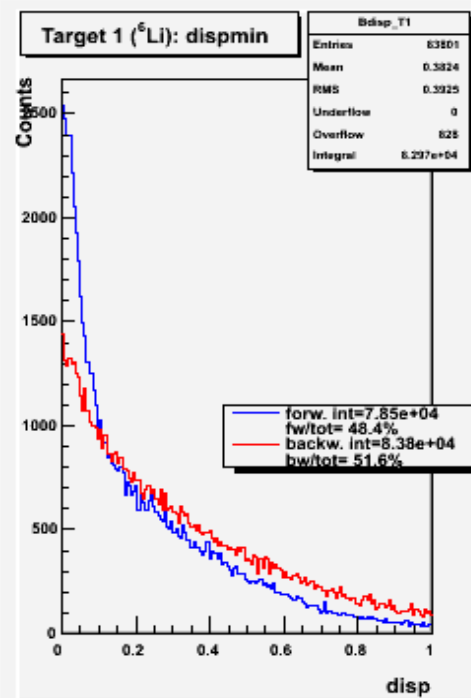
Data dispmin



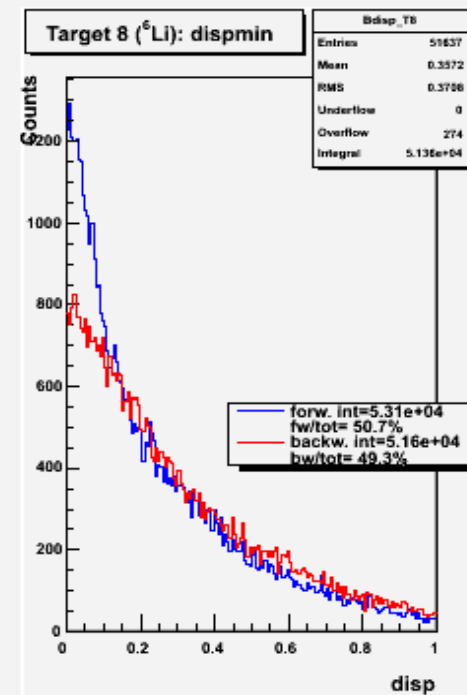
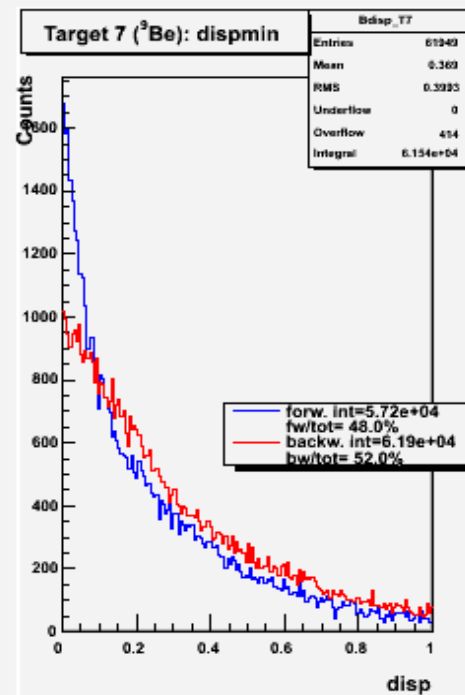
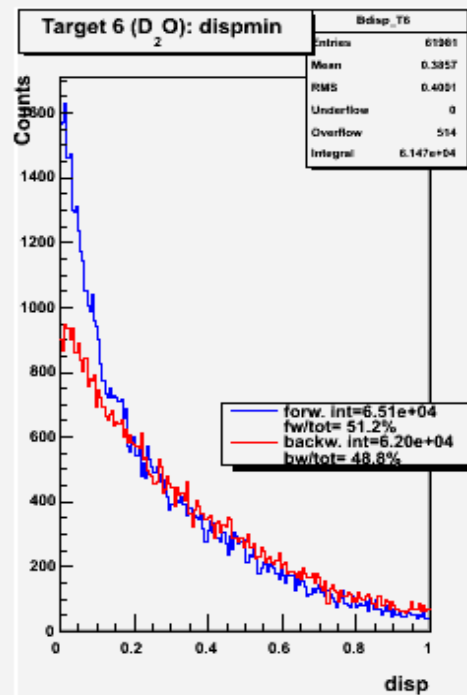
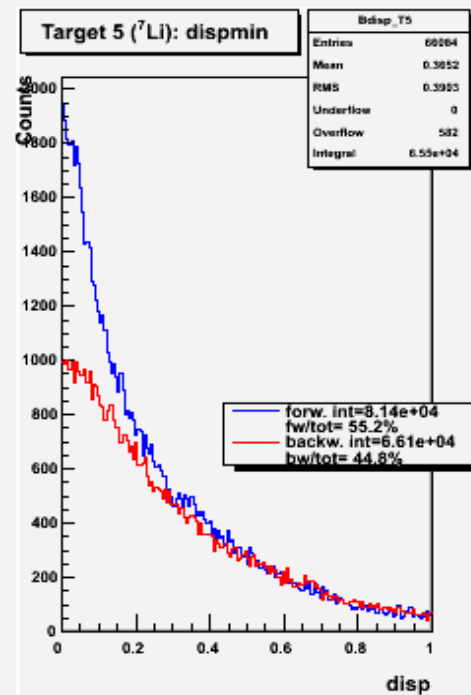
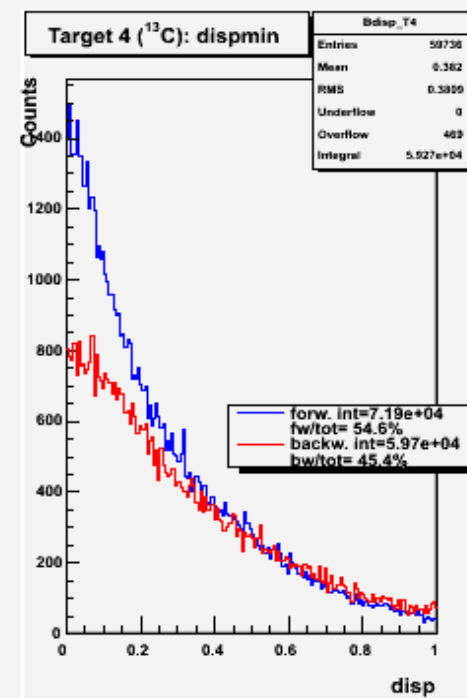
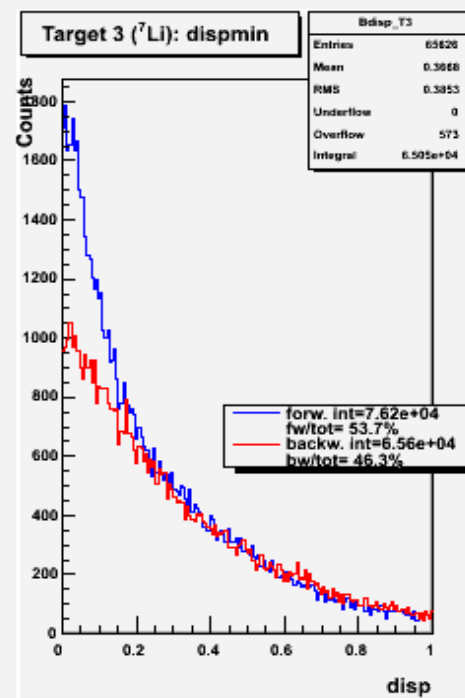
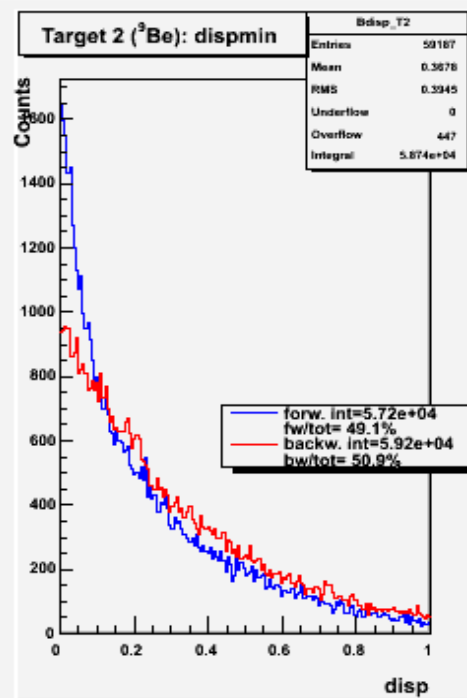
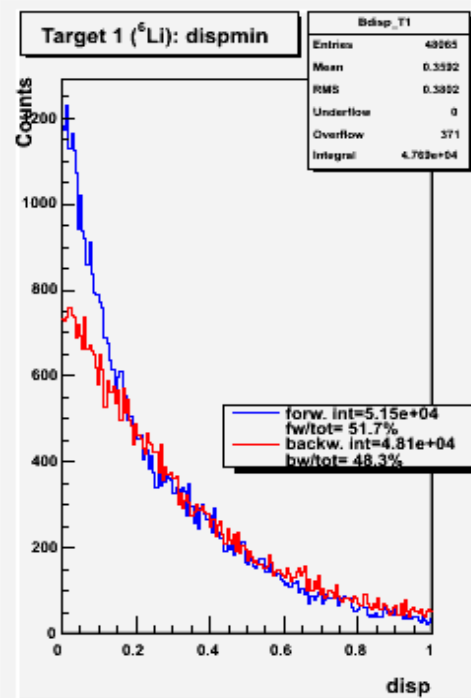
MC signal dispmin



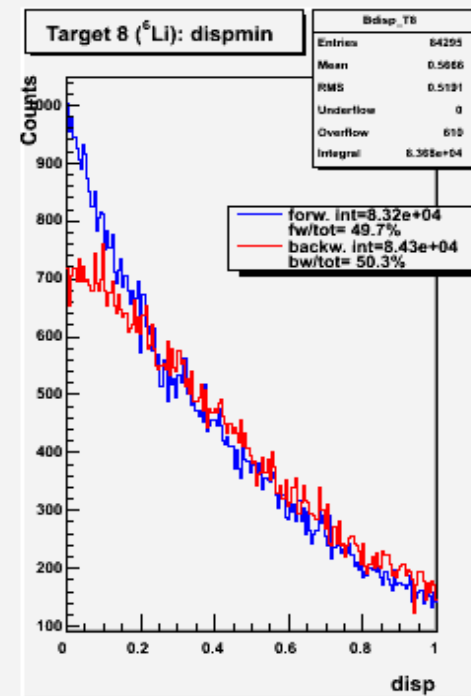
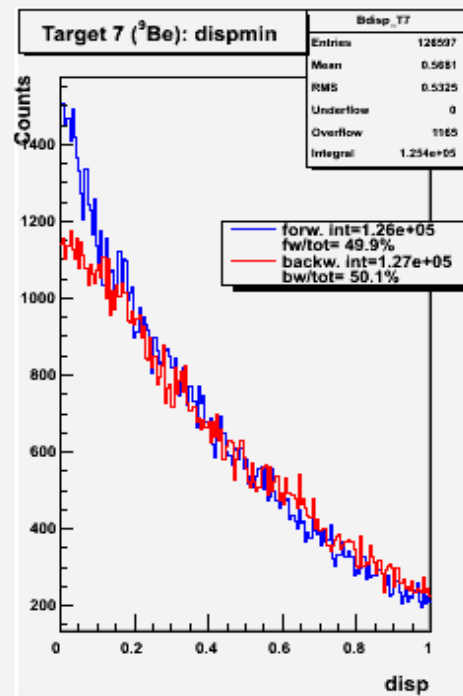
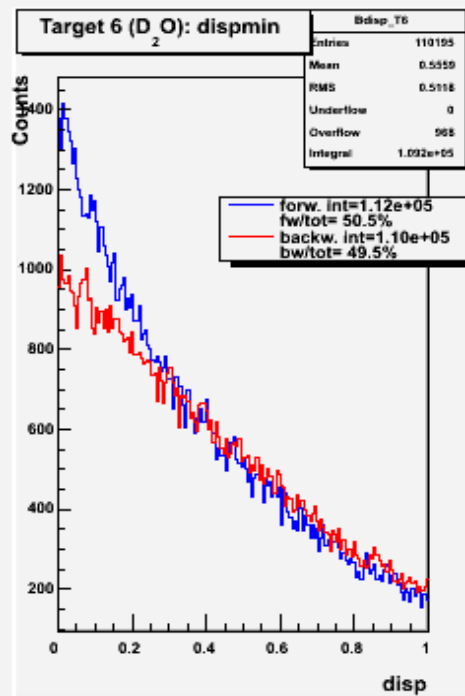
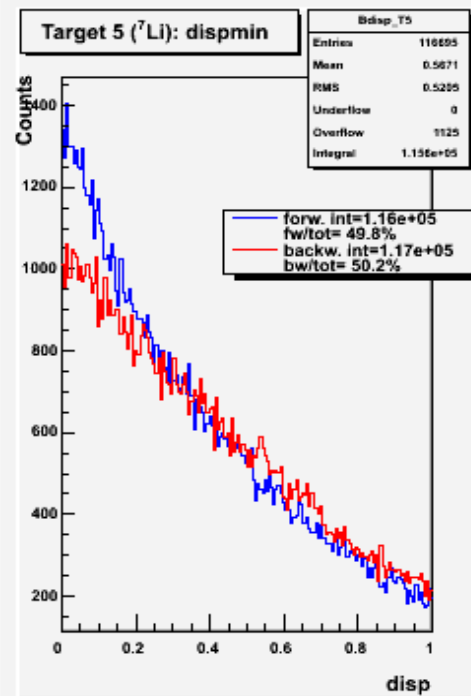
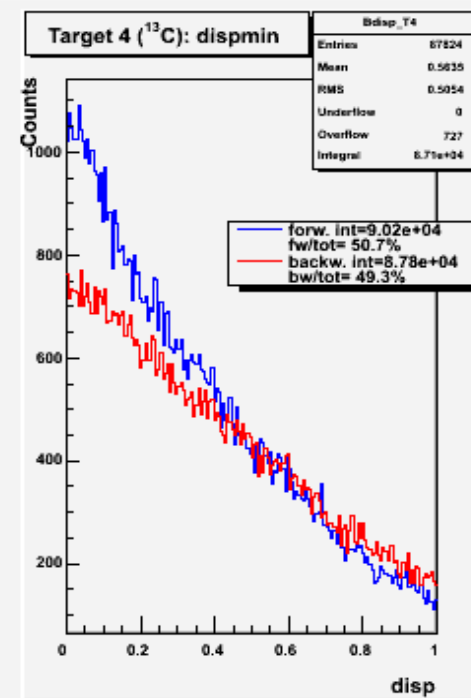
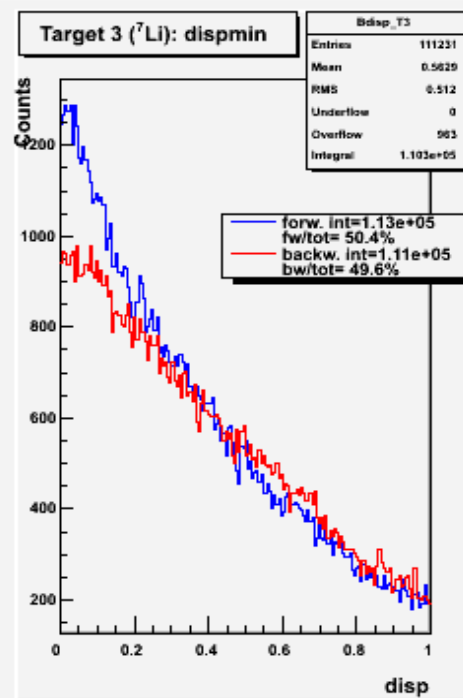
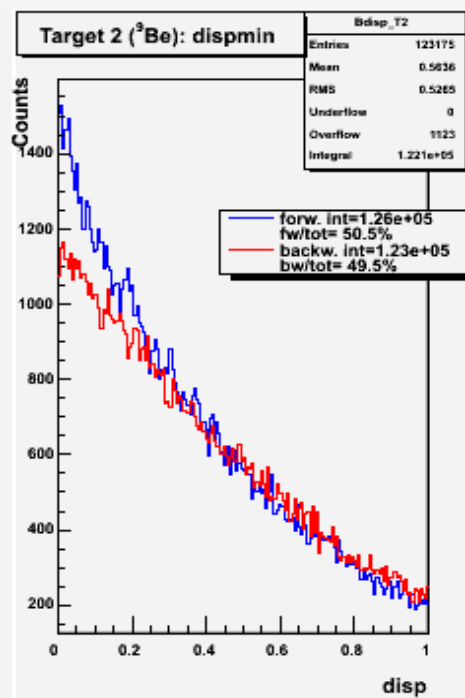
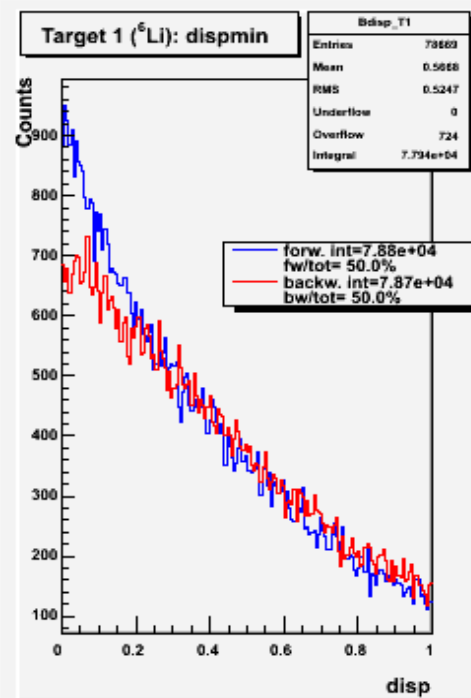
MC $K^- + n \rightarrow \Lambda + \pi^-$ dispmin



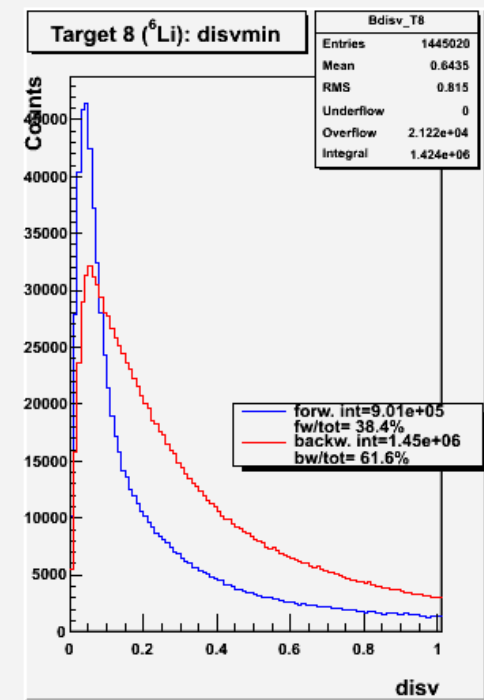
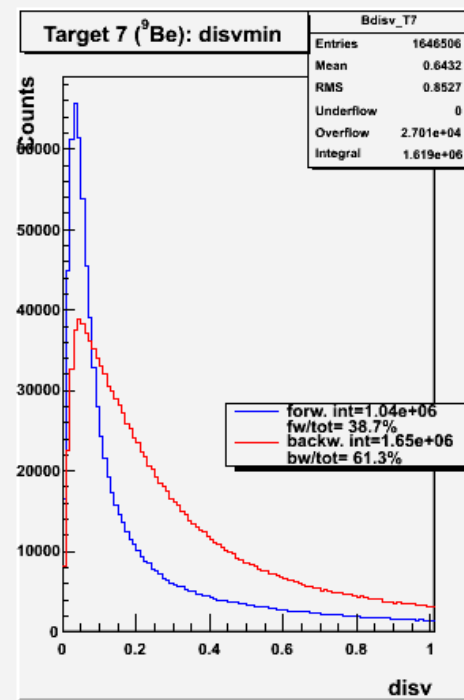
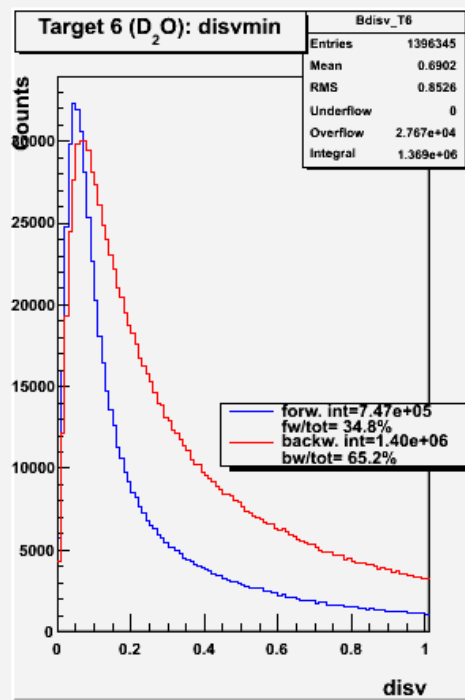
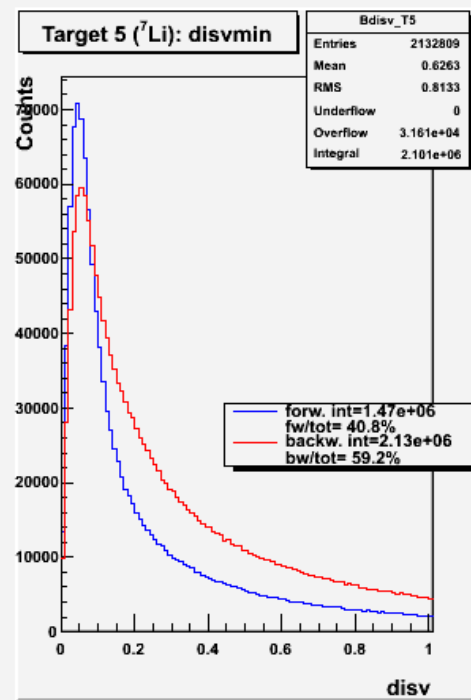
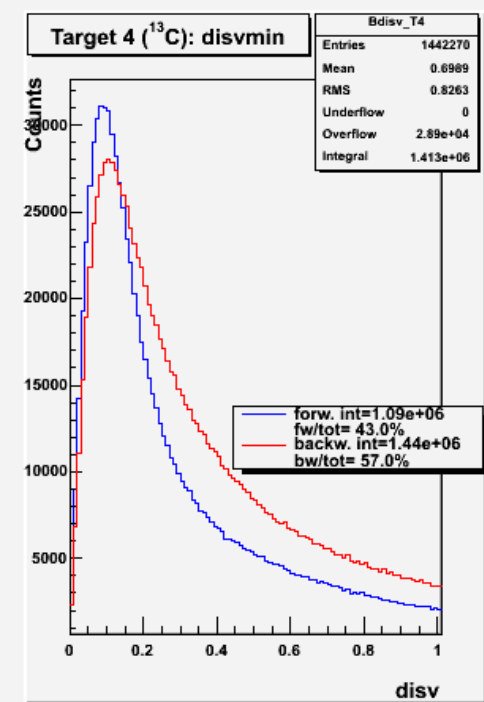
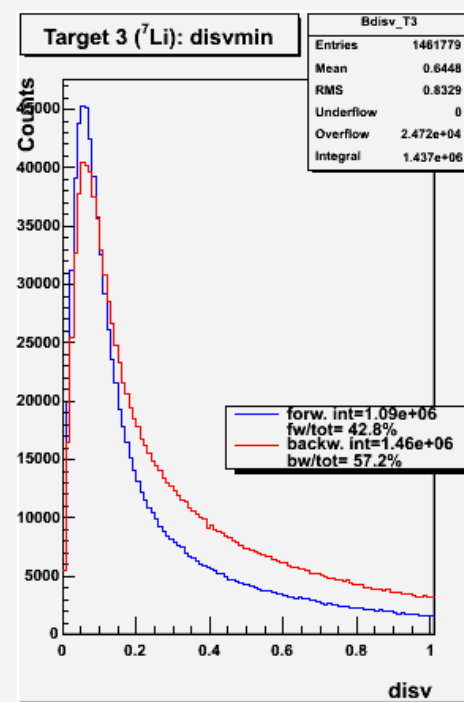
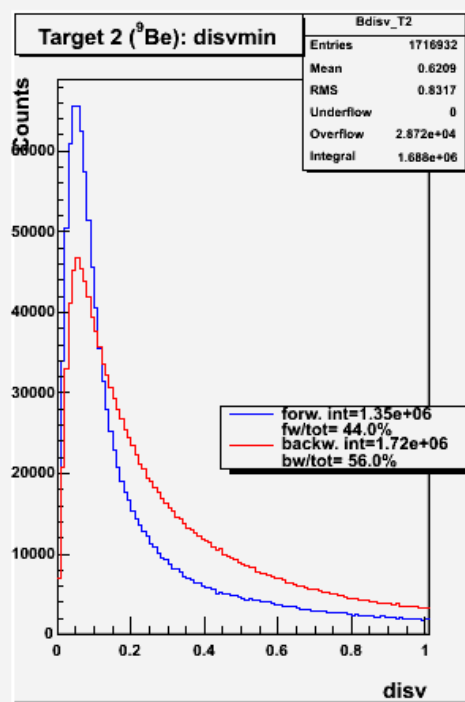
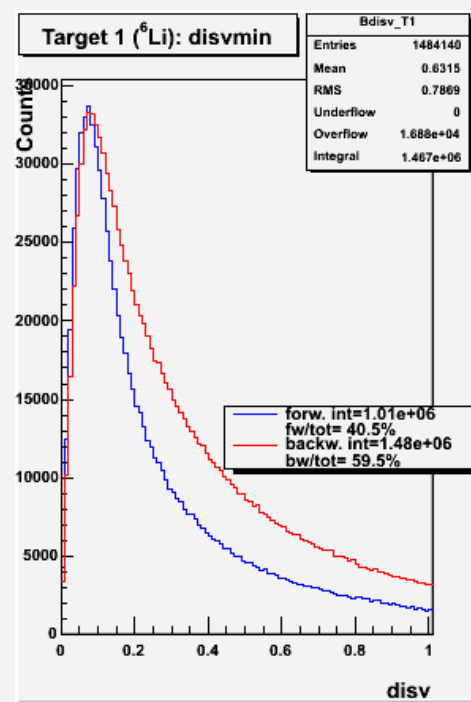
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ dispmin



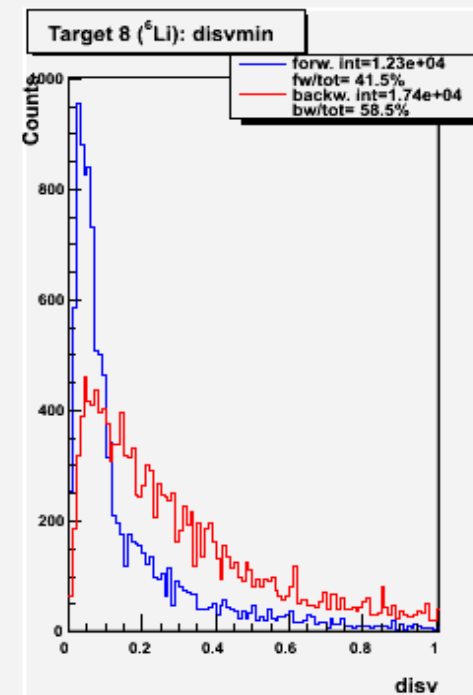
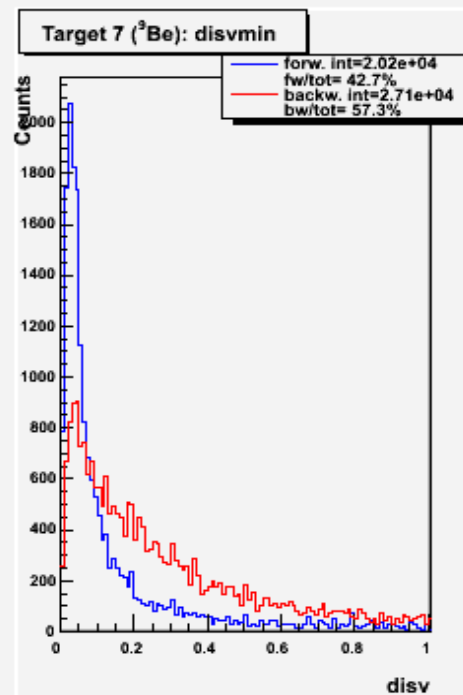
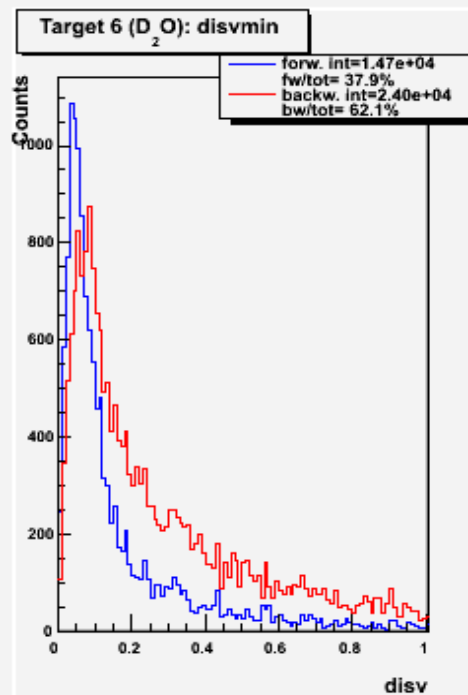
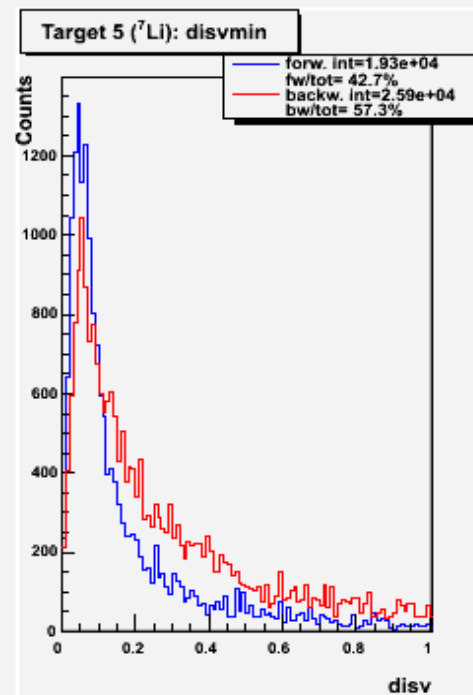
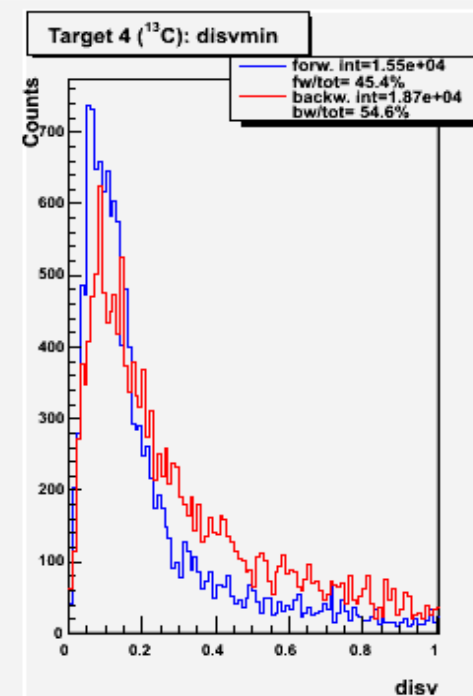
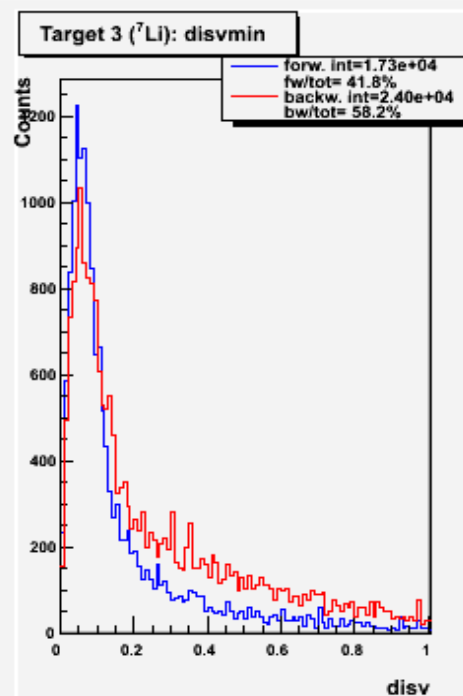
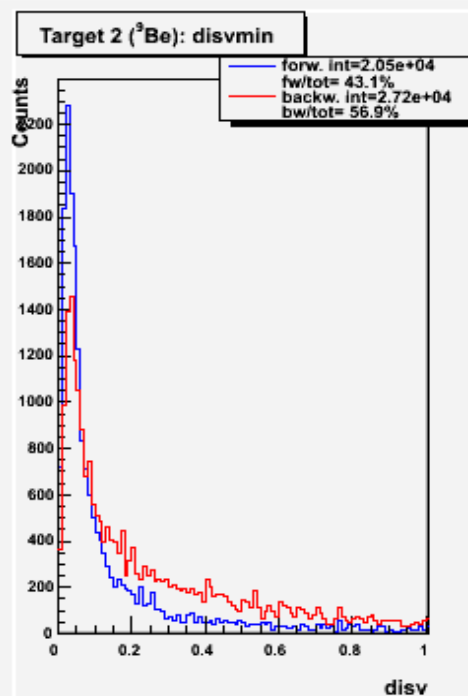
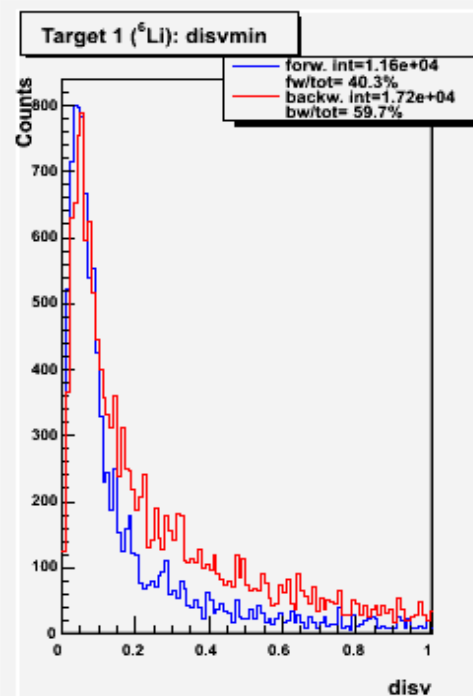
MC $K^- + np \rightarrow \Sigma^- + p$ dispmin



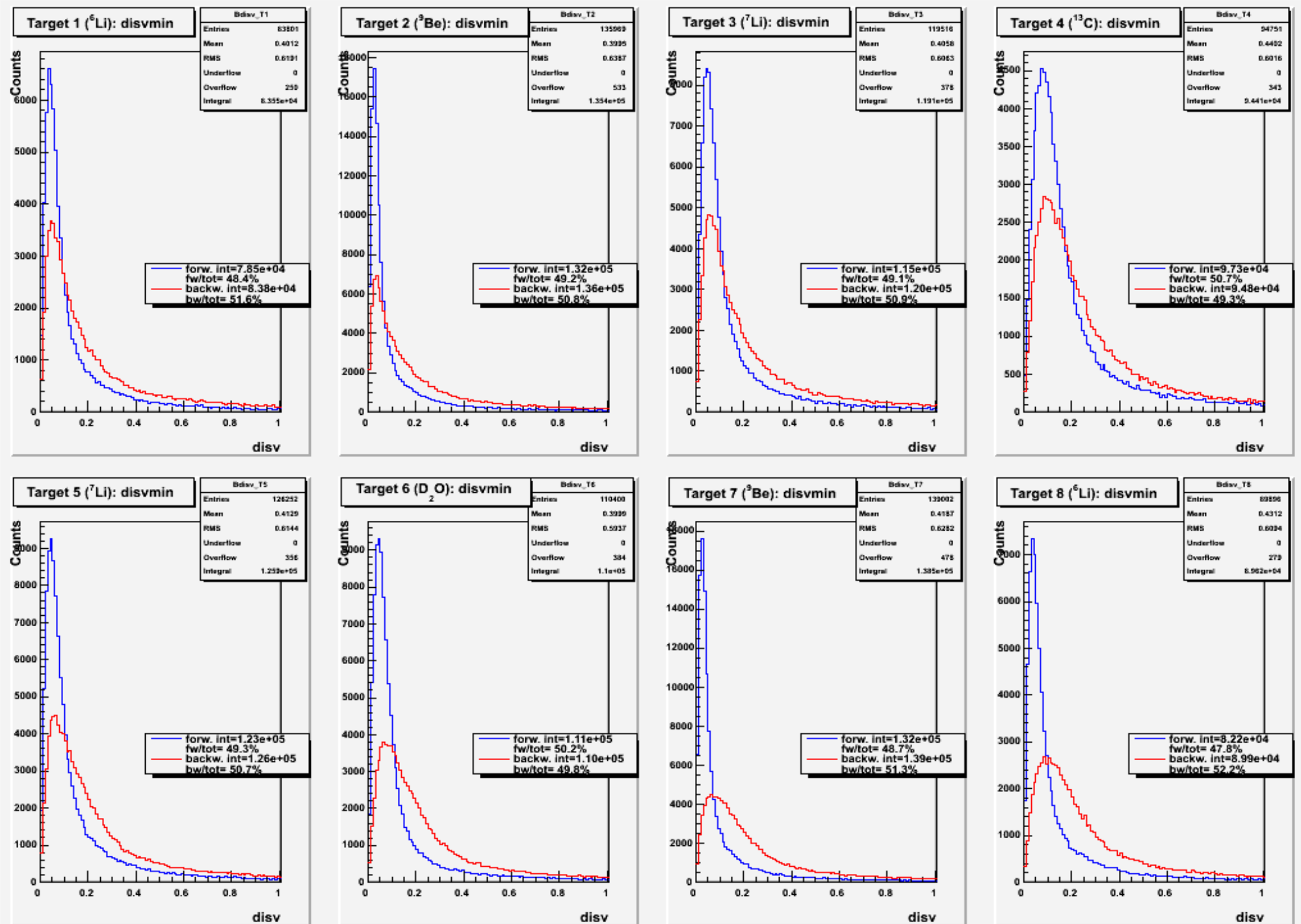
Data disvmin



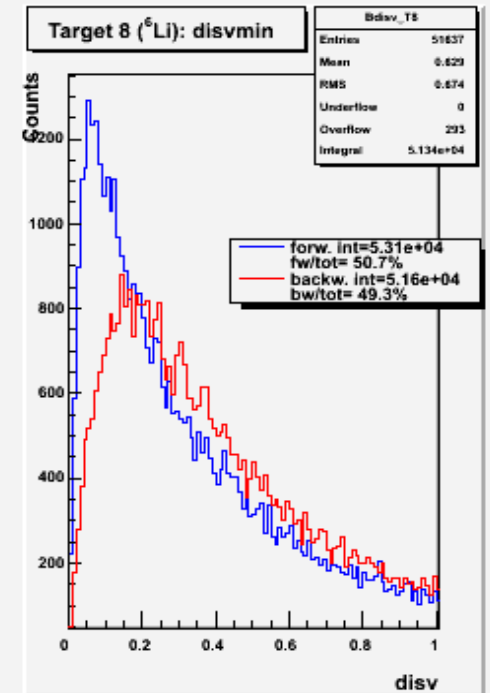
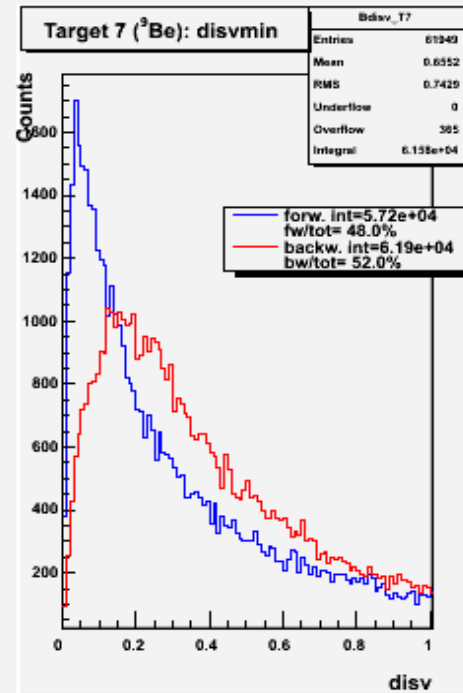
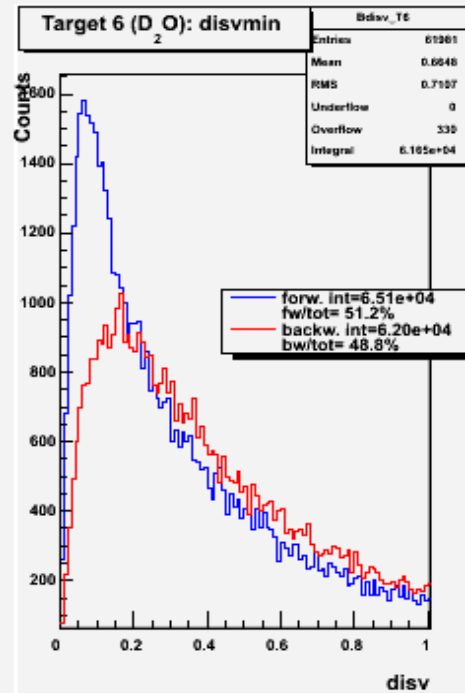
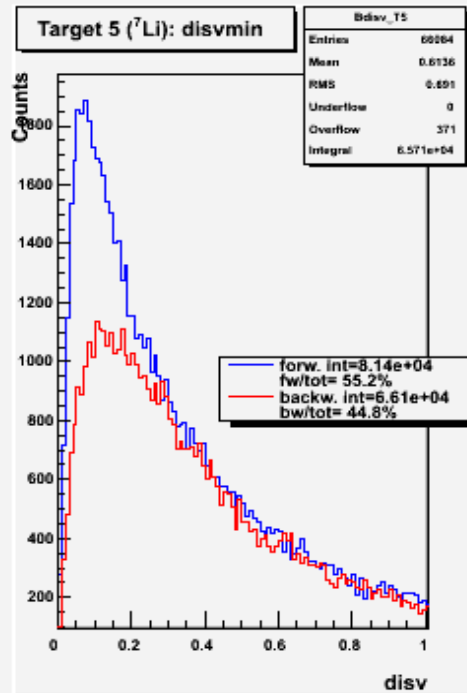
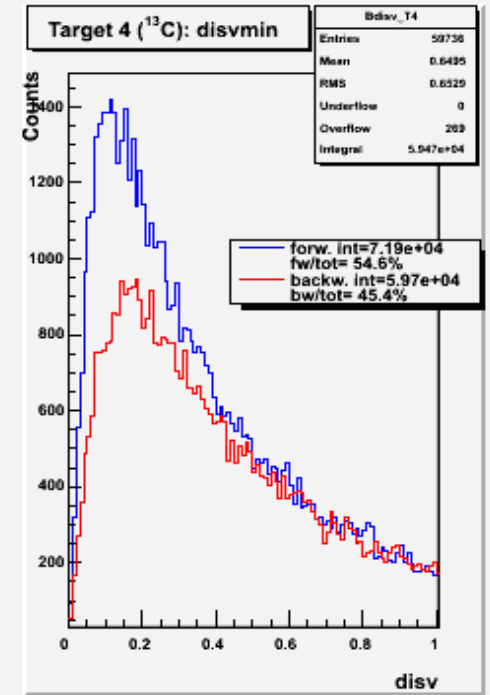
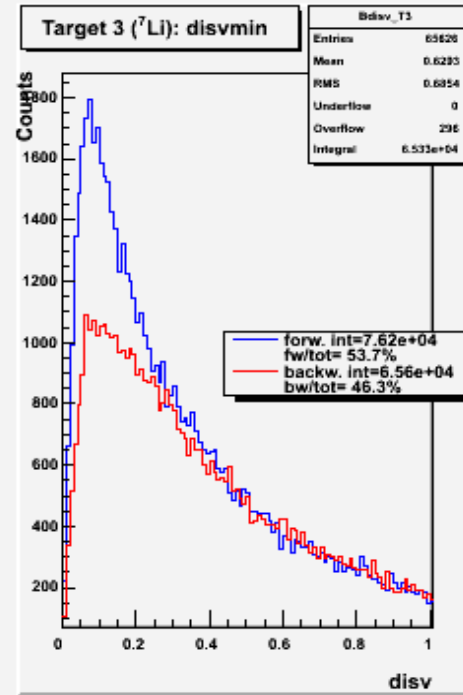
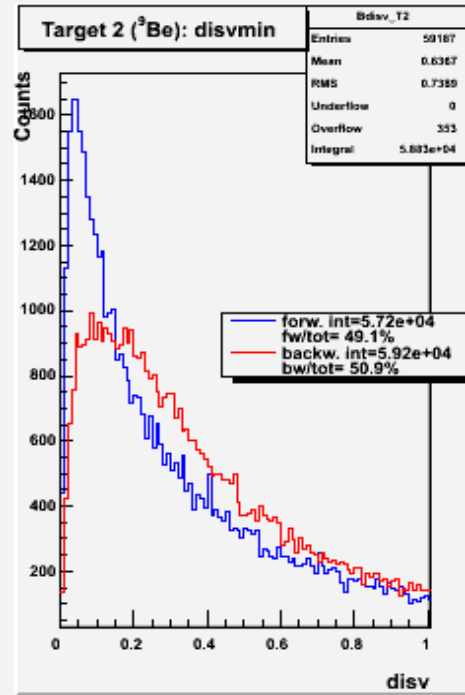
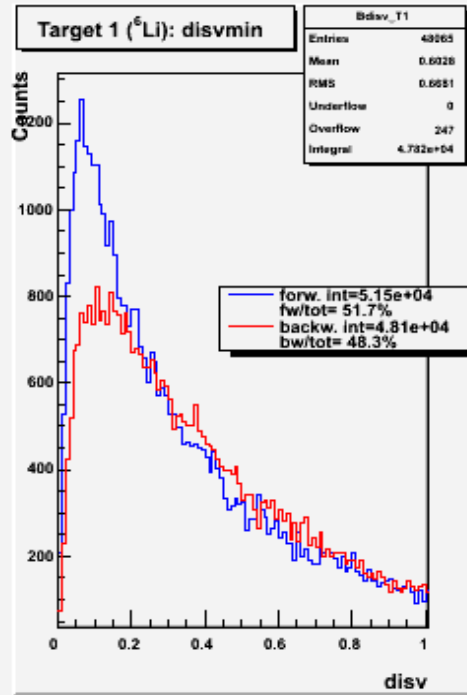
MC signal disvmin



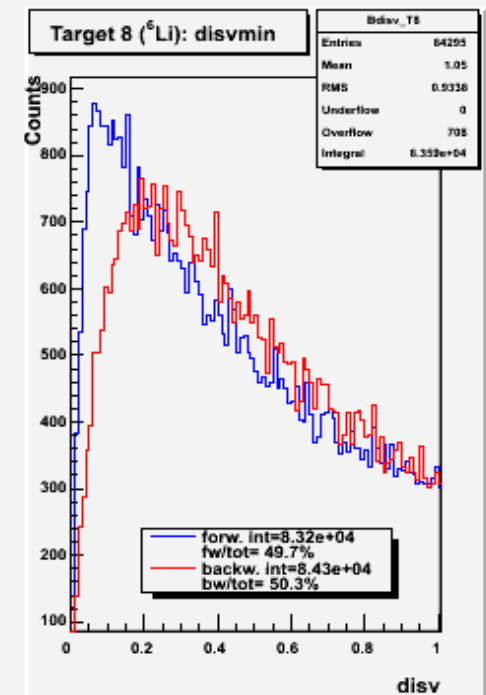
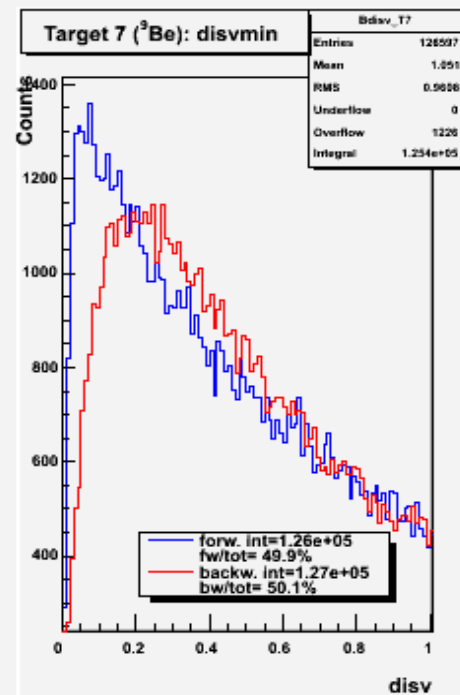
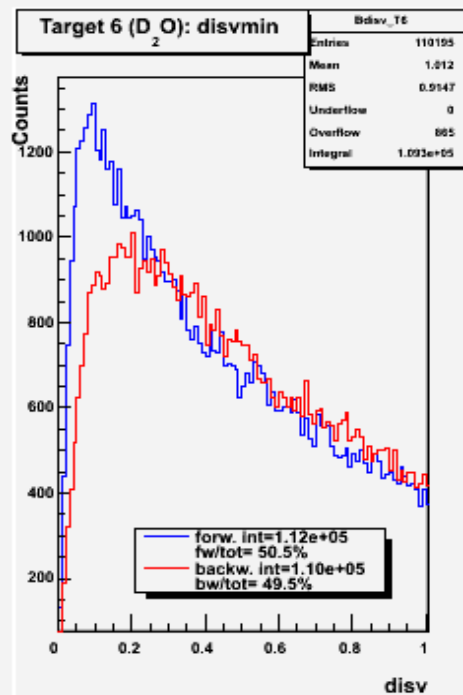
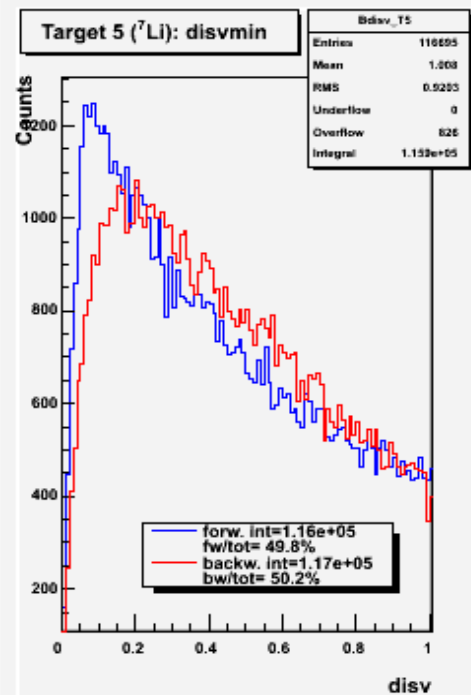
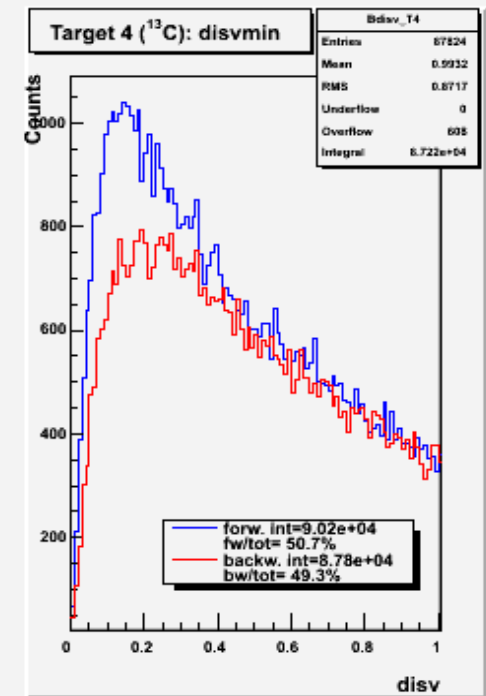
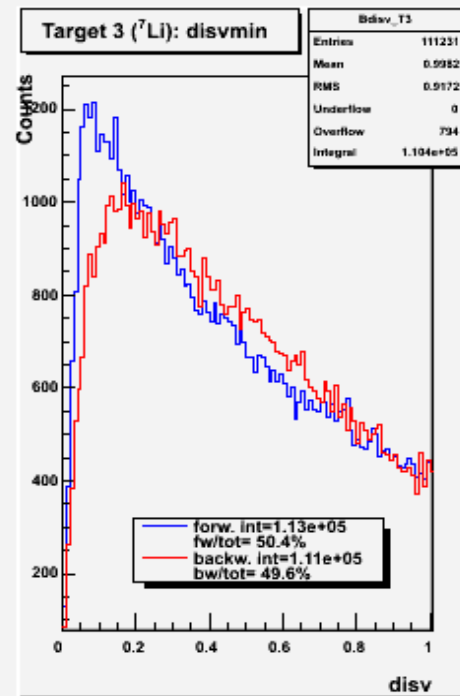
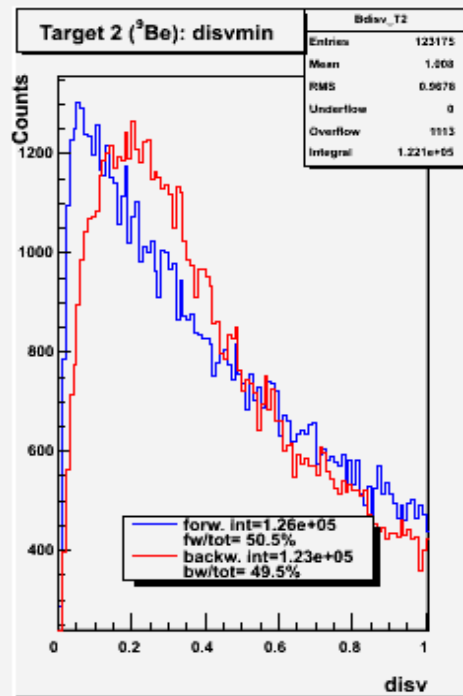
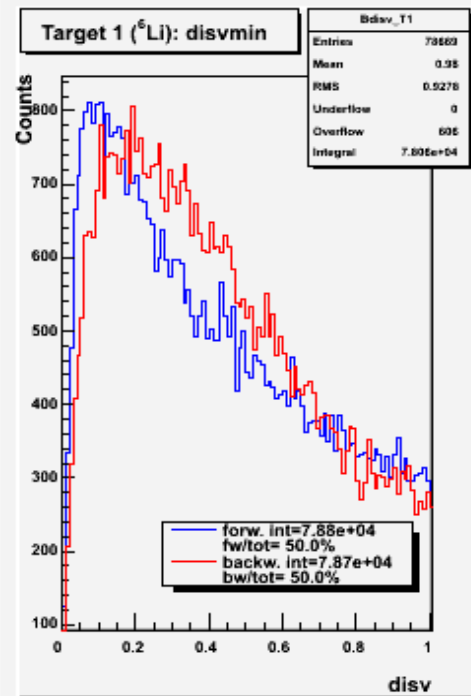
MC $K^- + n \rightarrow \Lambda + \pi^-$ disvmin



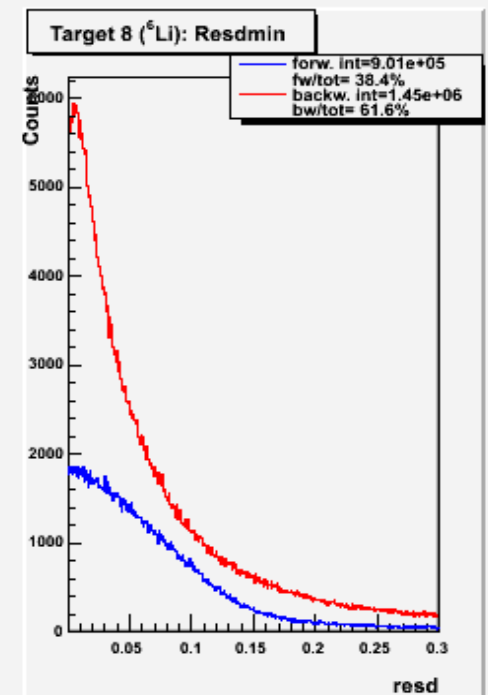
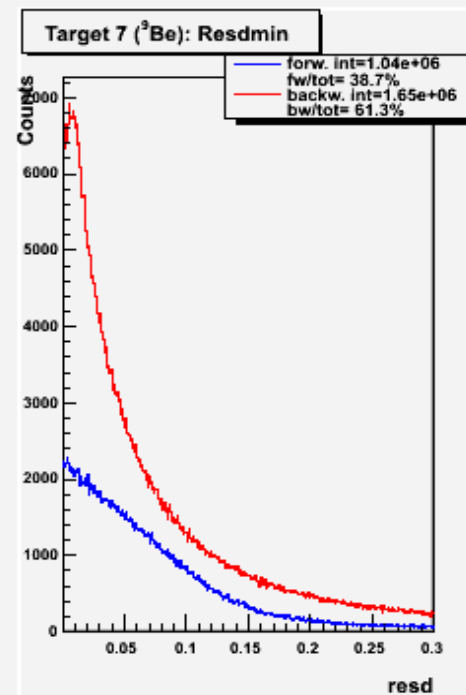
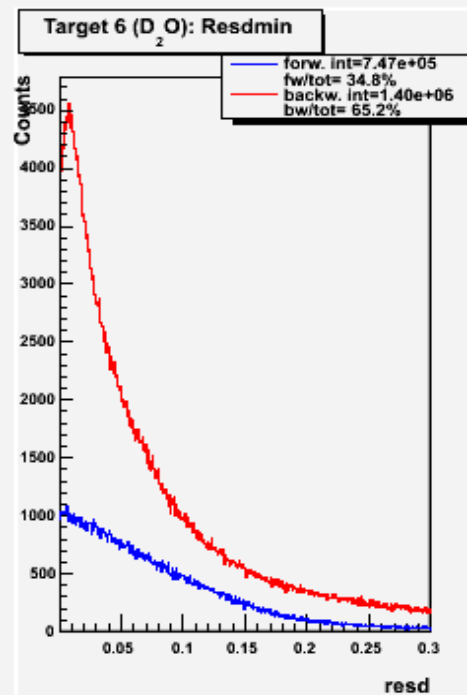
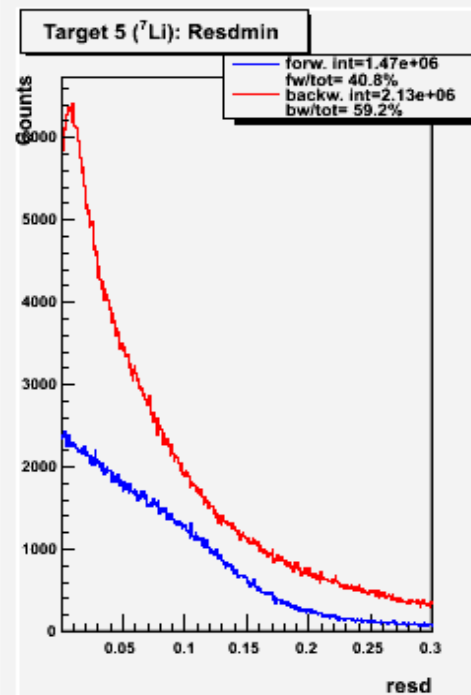
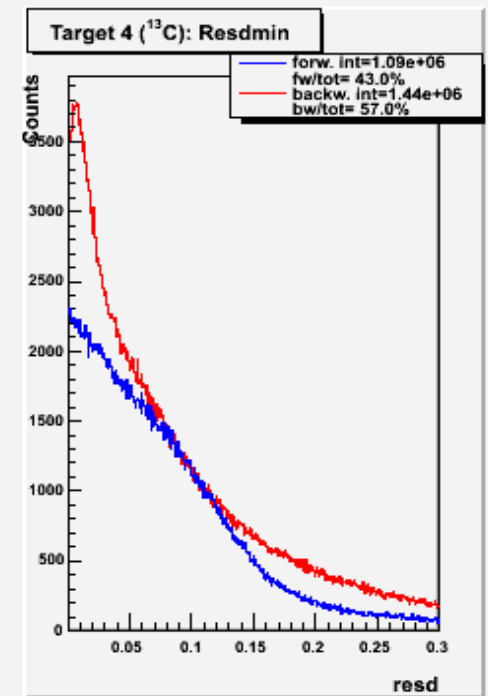
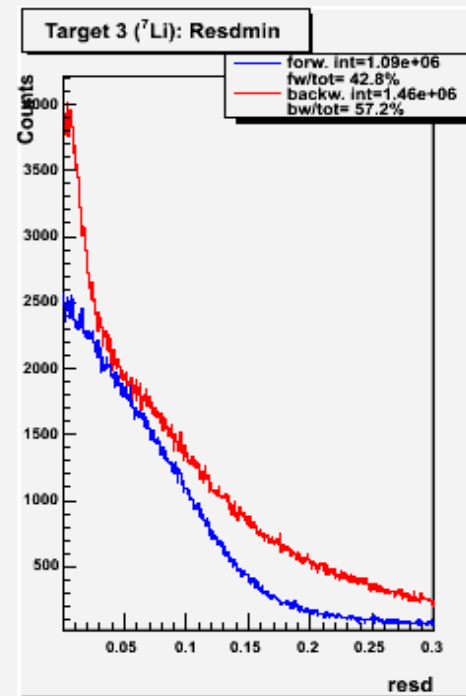
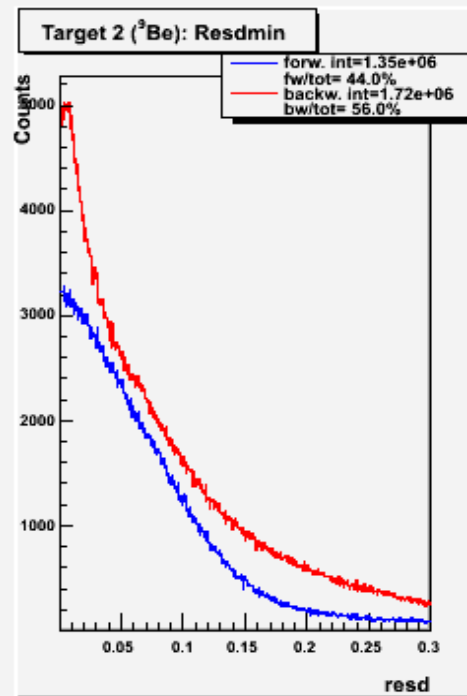
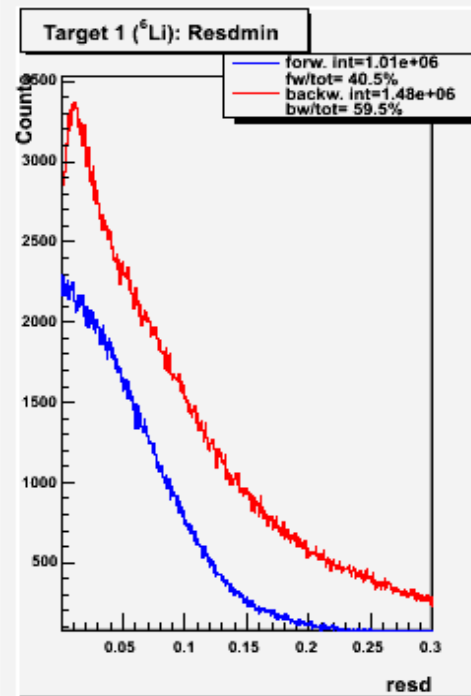
MC $K^-+p \rightarrow \Sigma^-+\pi^+$ disvmin



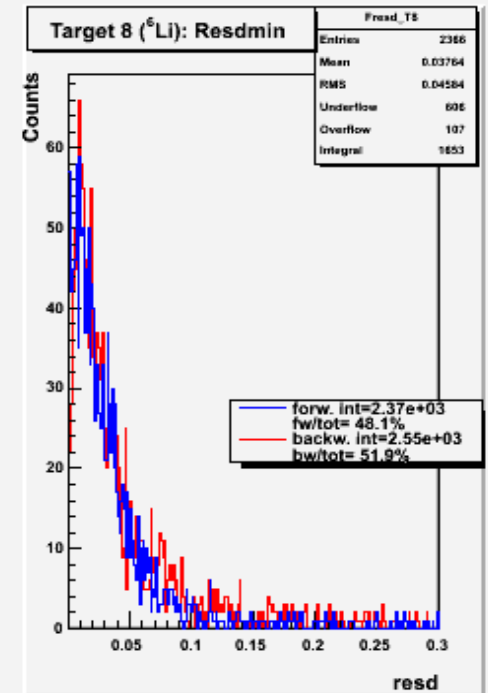
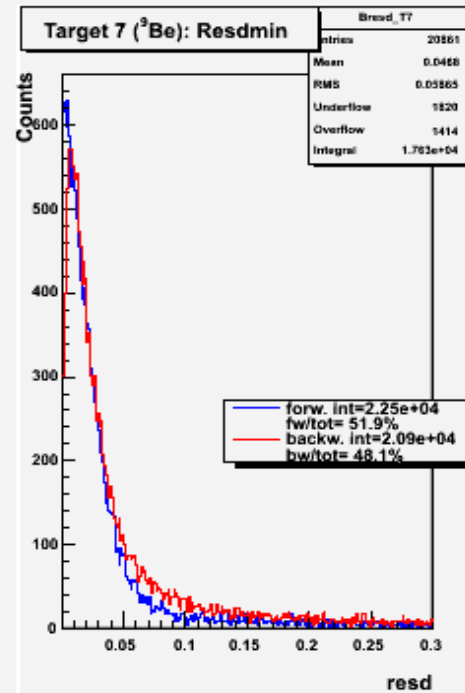
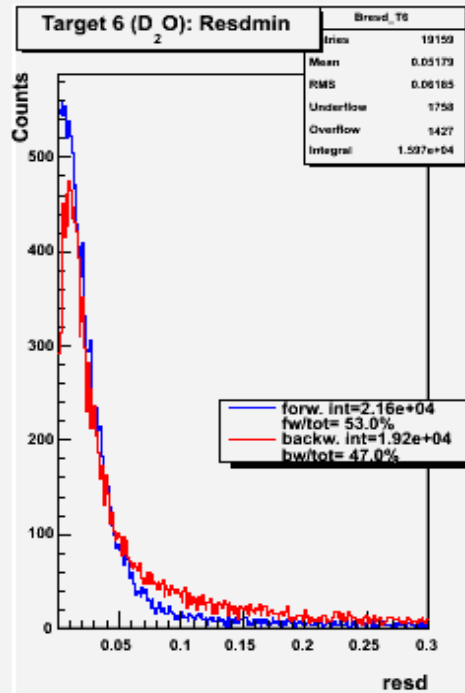
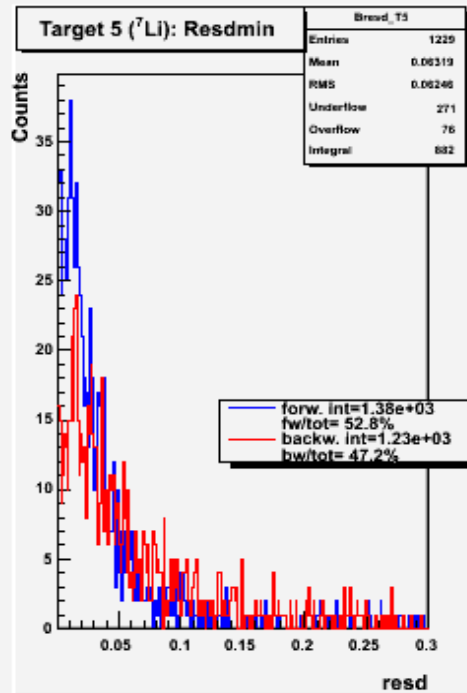
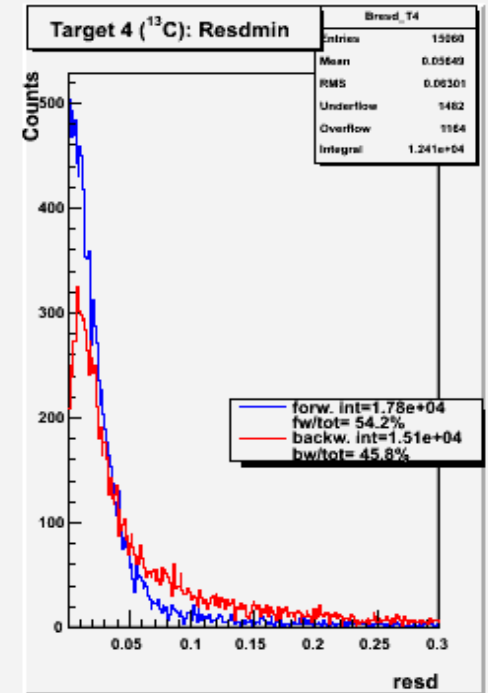
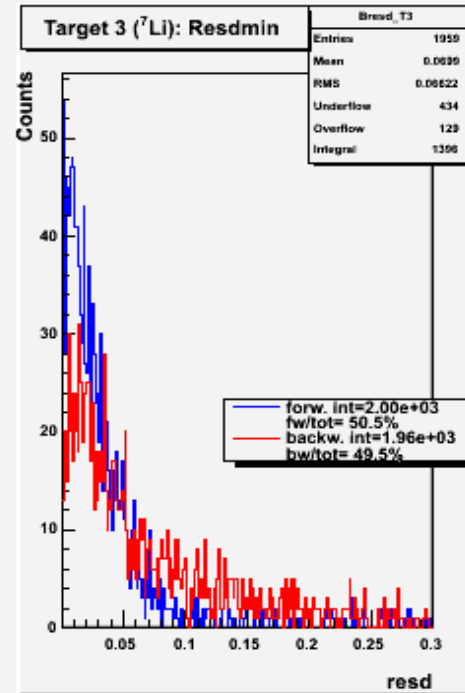
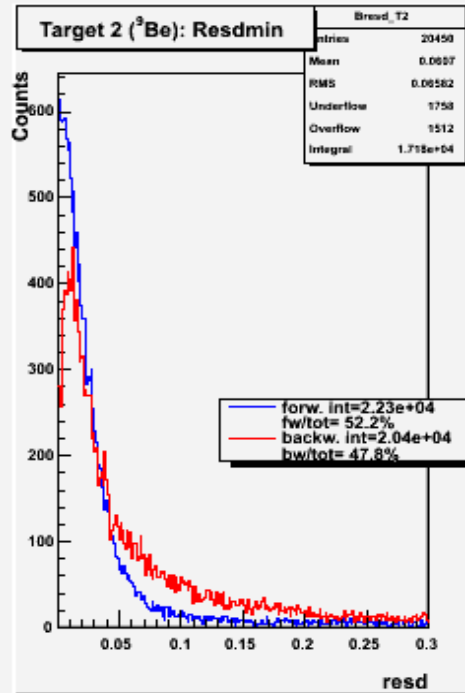
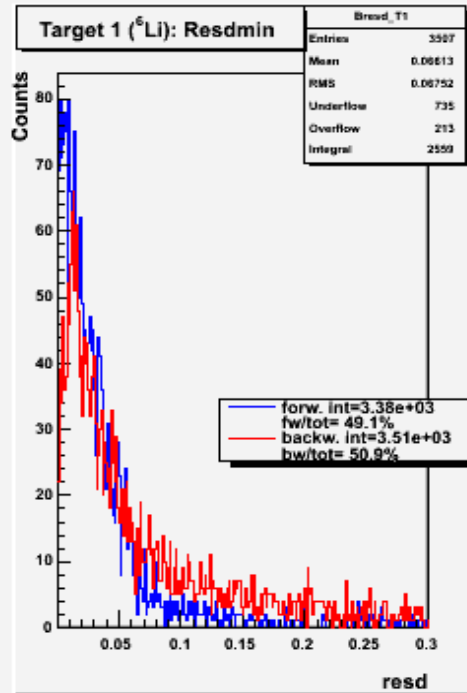
MC $K^-+np \rightarrow \Sigma^-+p$ disvmin



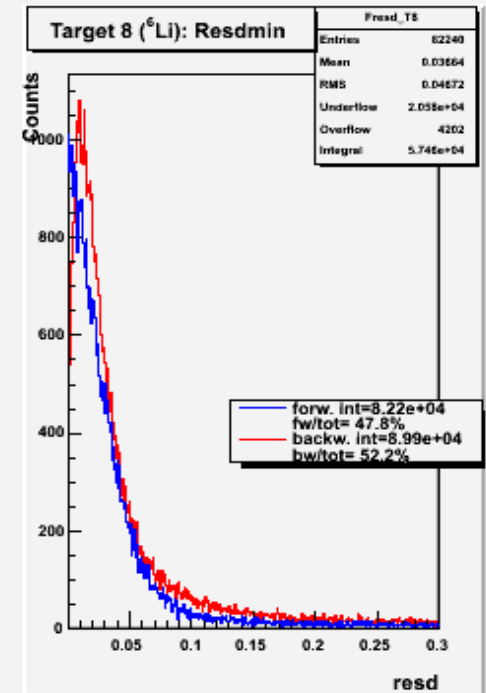
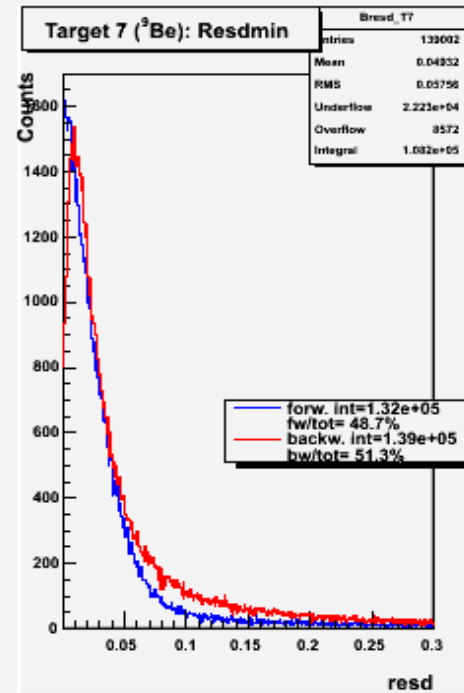
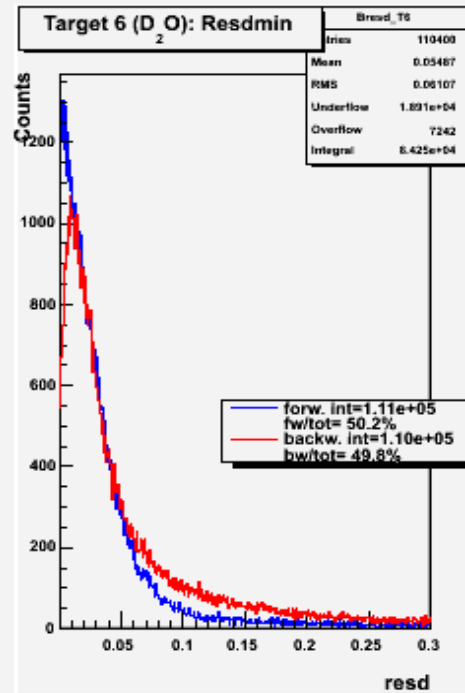
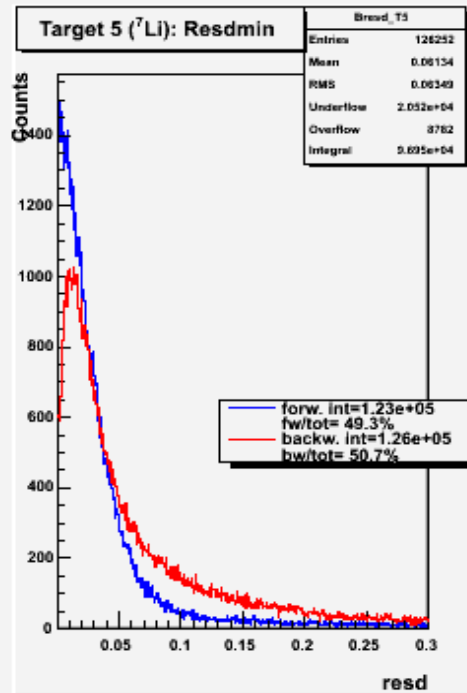
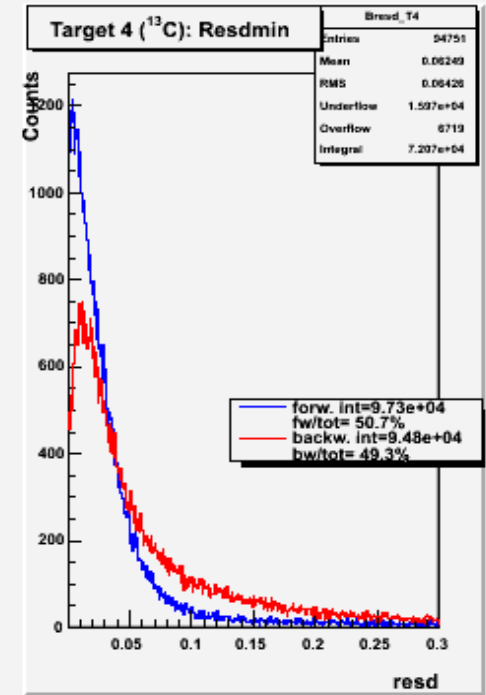
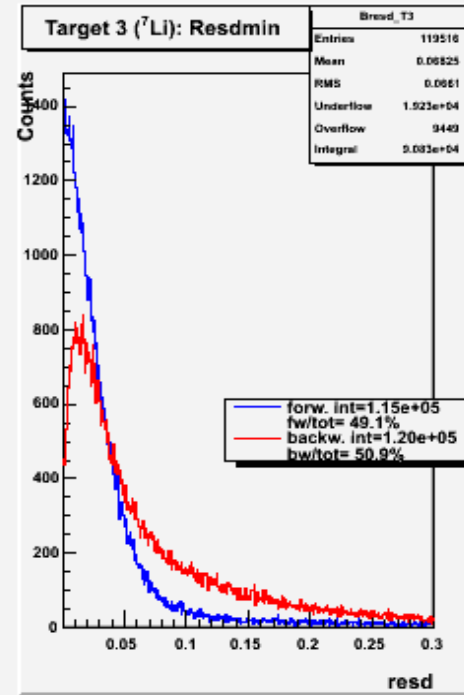
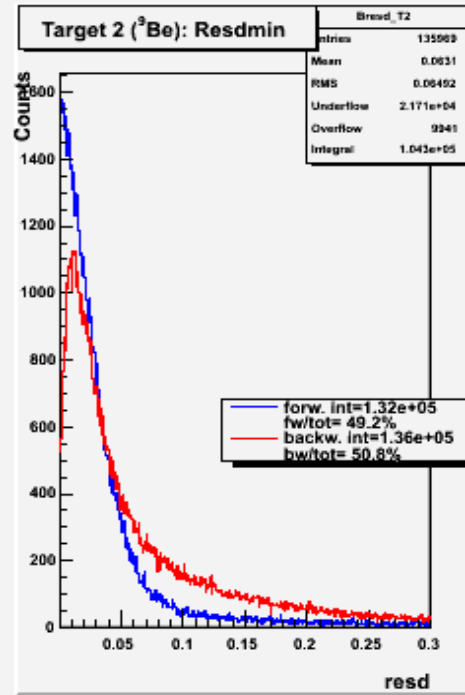
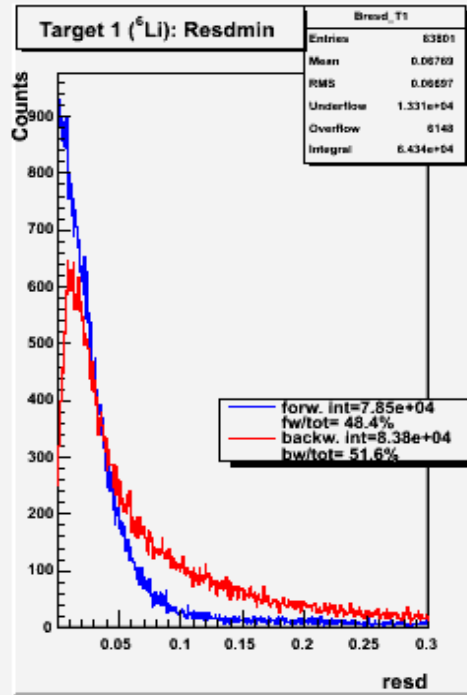
Data resdmin



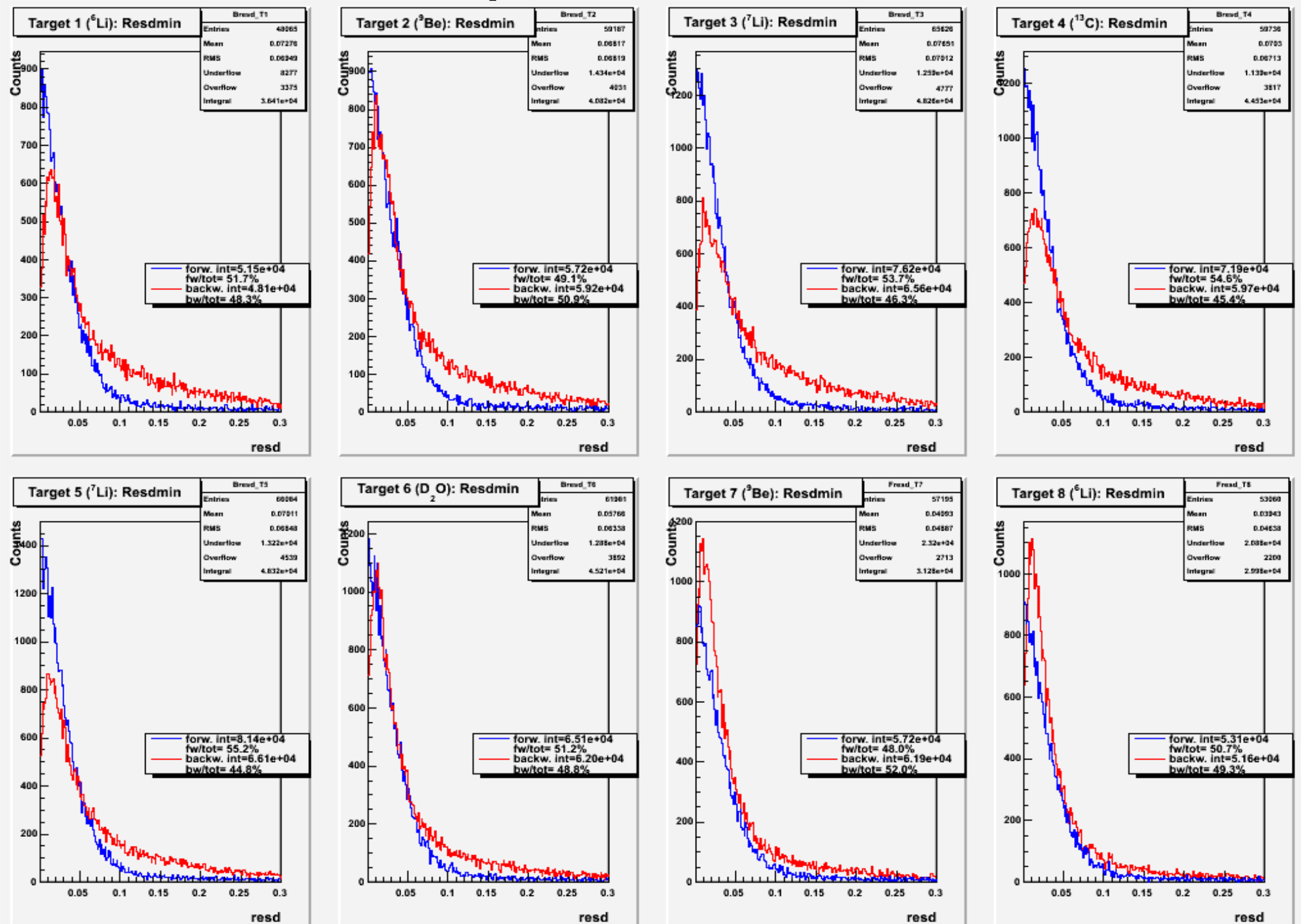
MC signal resdmin



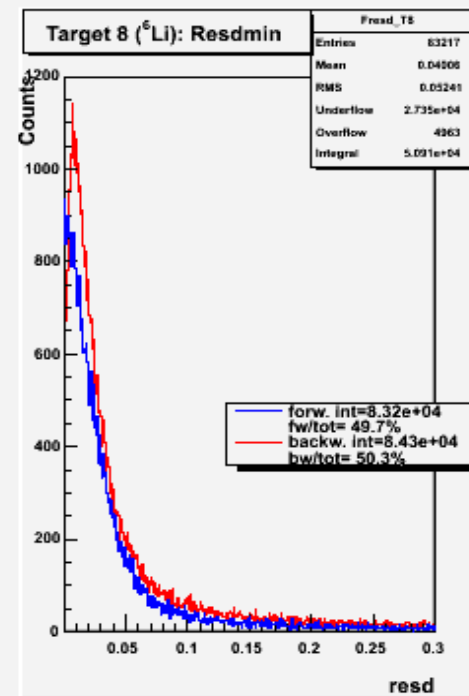
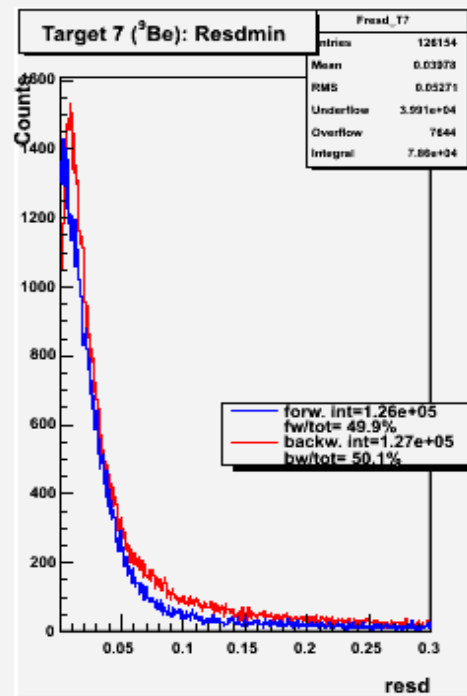
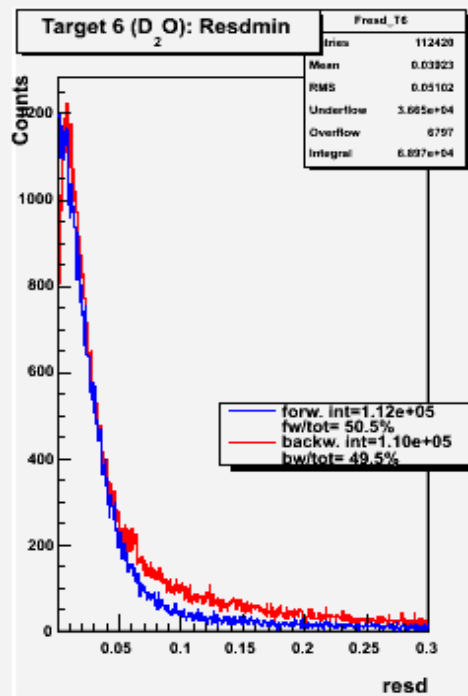
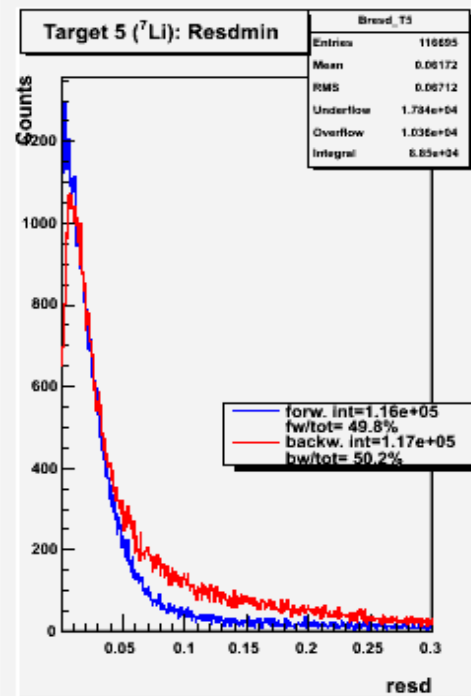
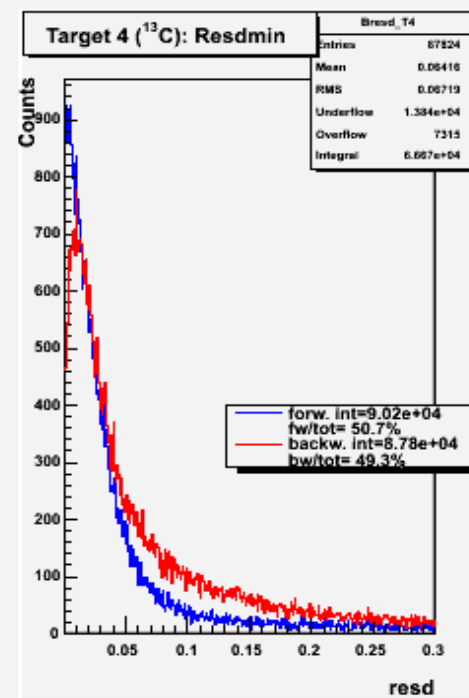
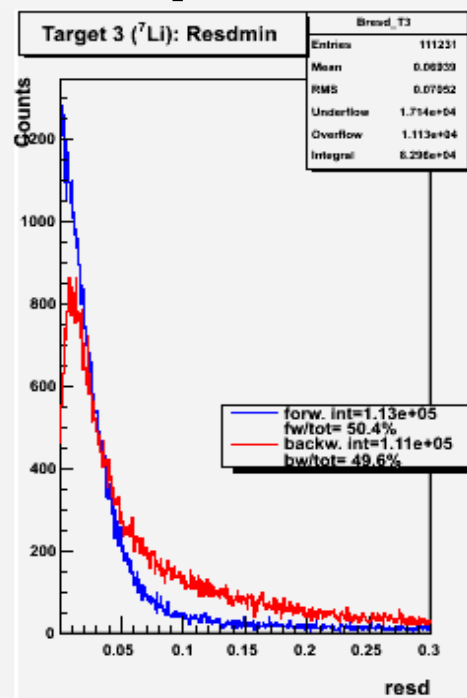
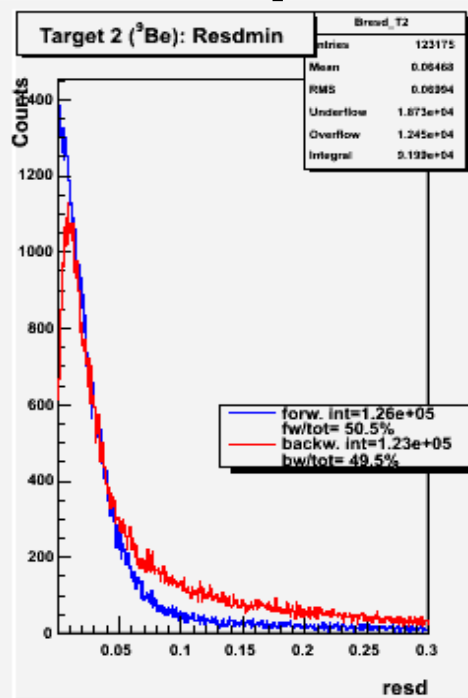
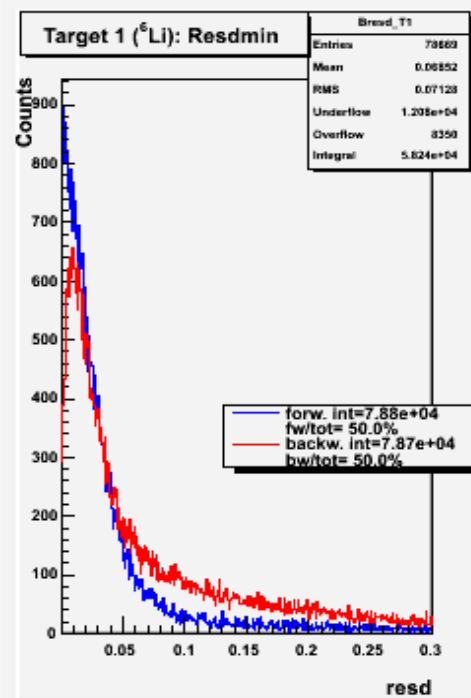
MC $K^- + n \rightarrow \Lambda + \pi^-$ resdmin



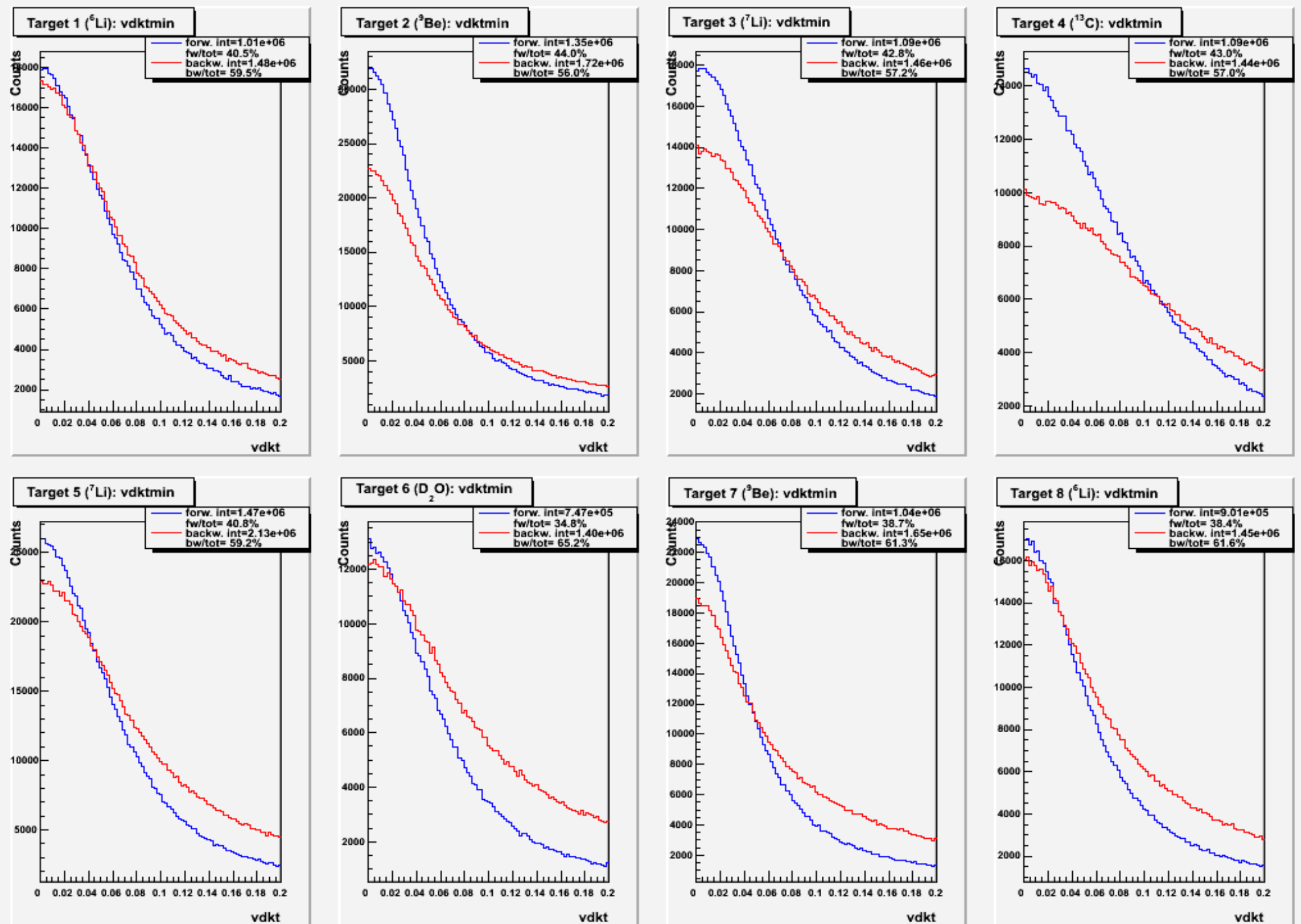
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ resdmin



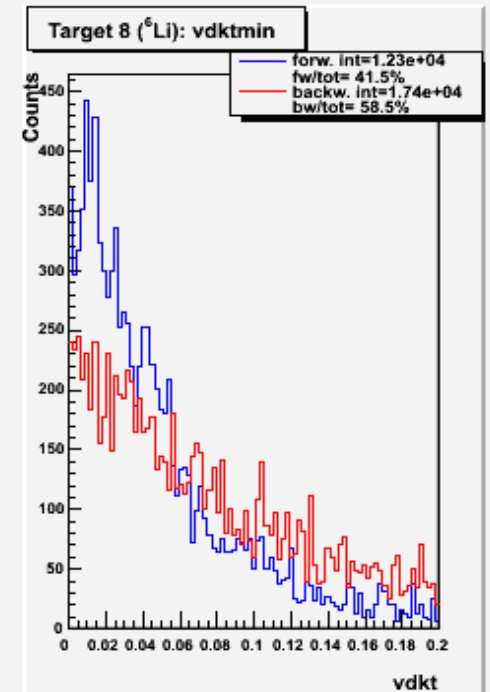
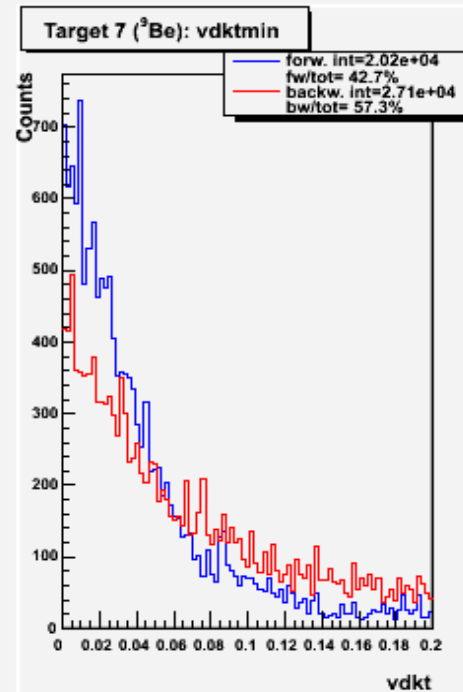
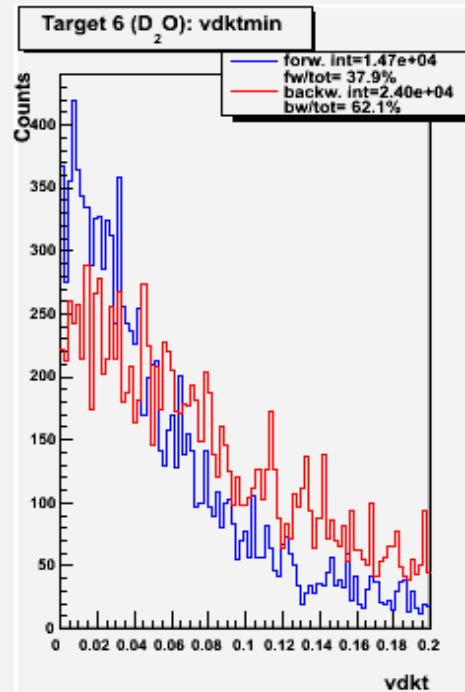
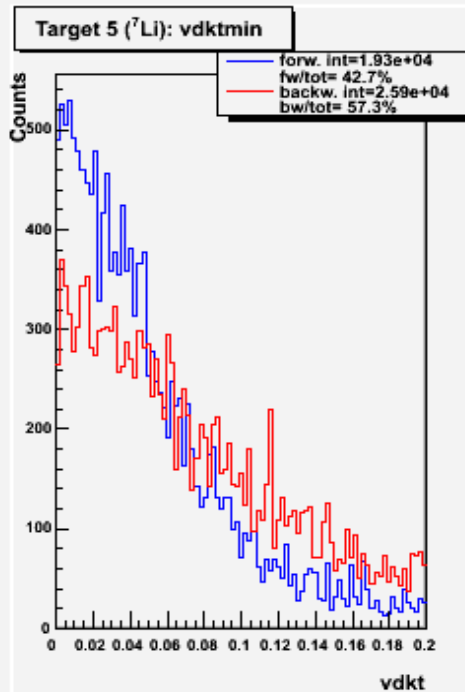
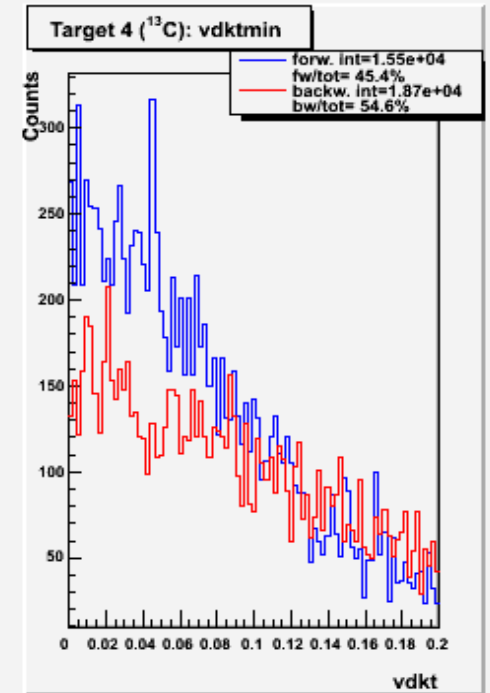
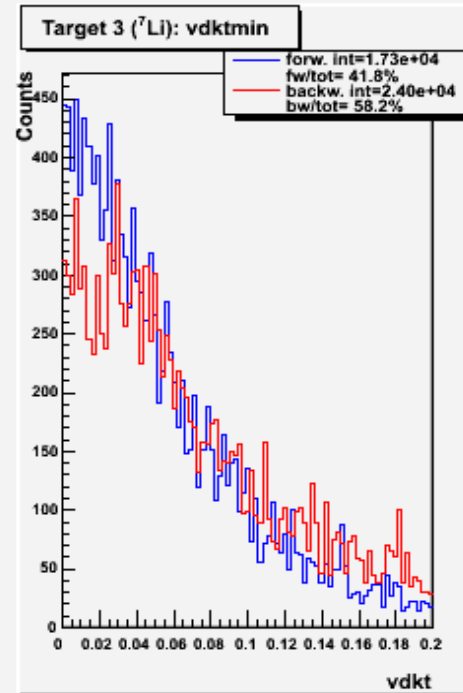
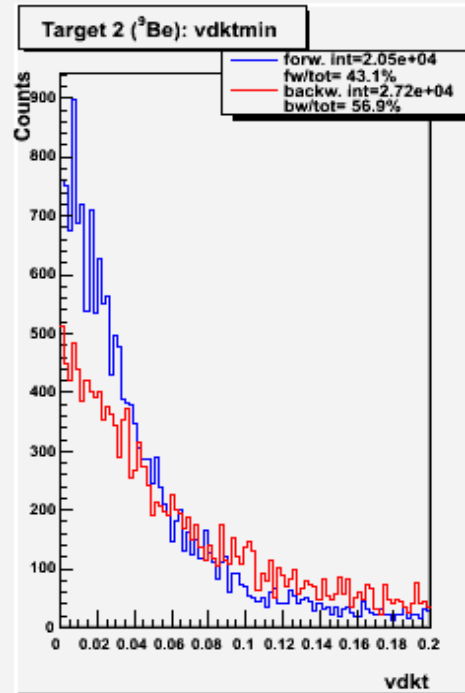
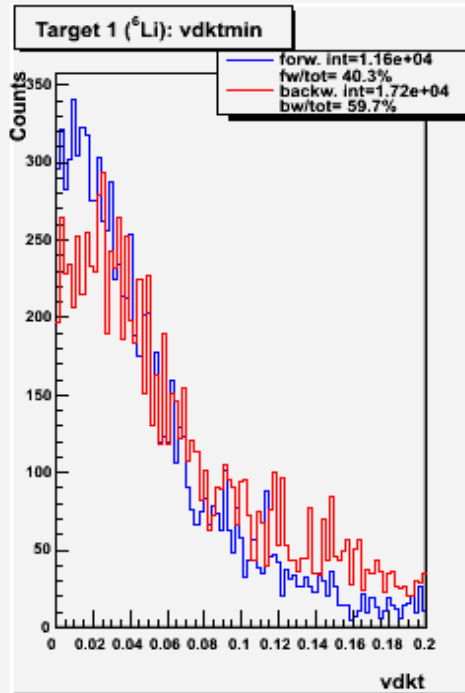
MC $K^-+np \rightarrow \Sigma^-+p$ resdmin



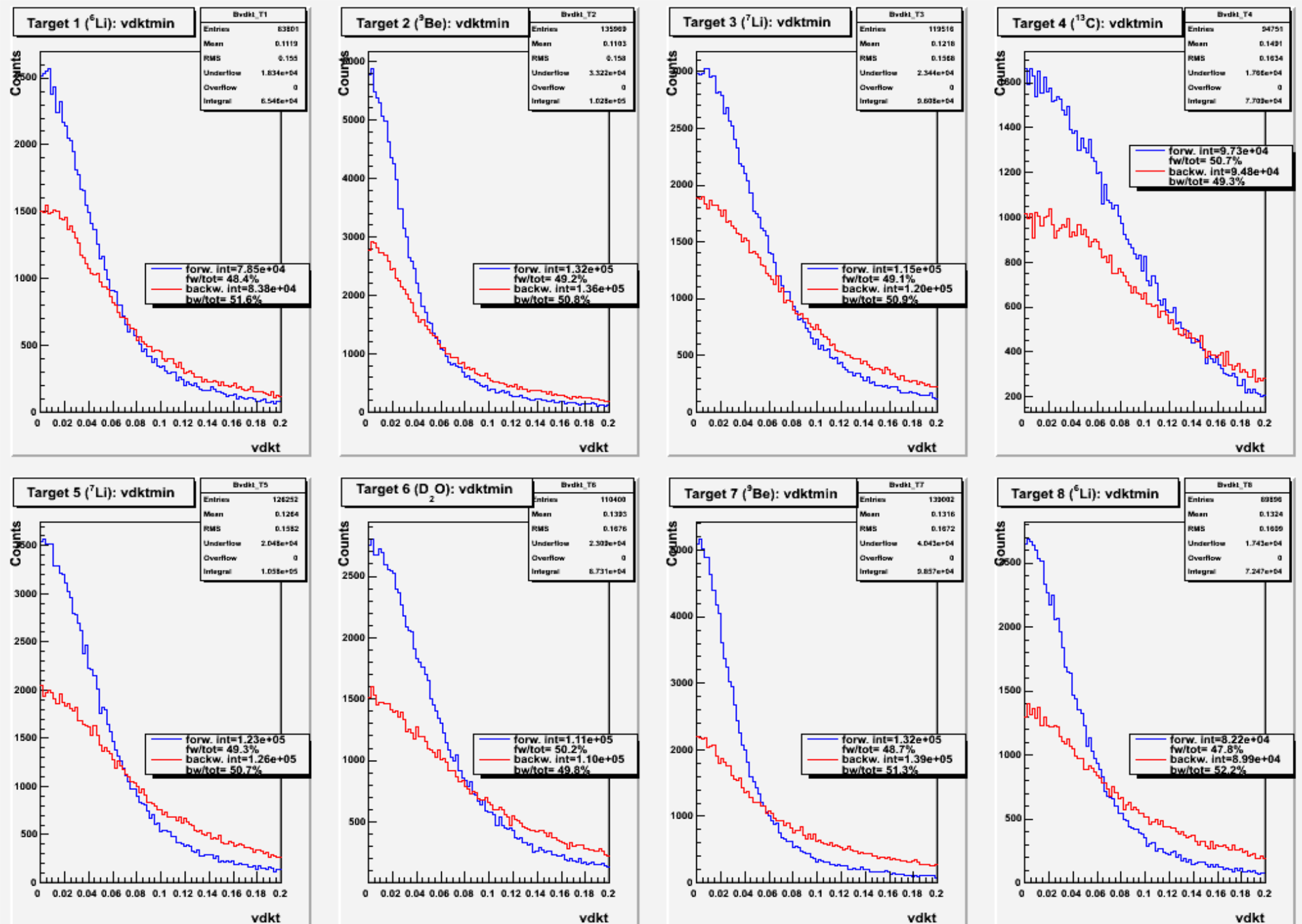
Data vdktmin



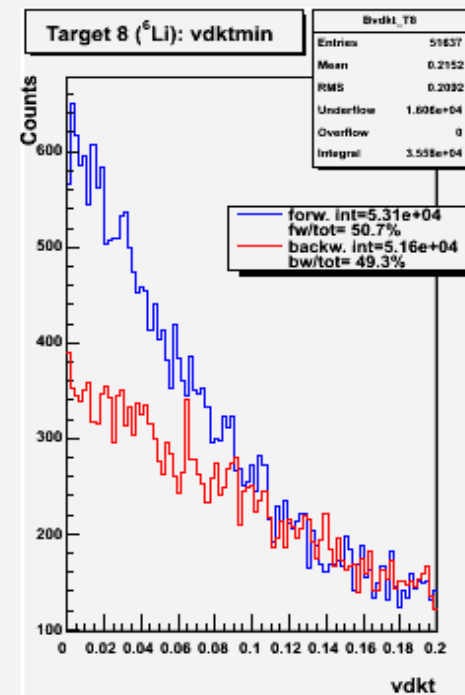
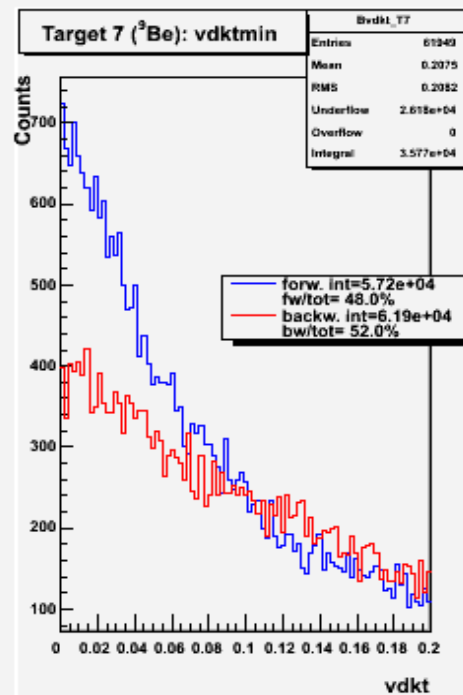
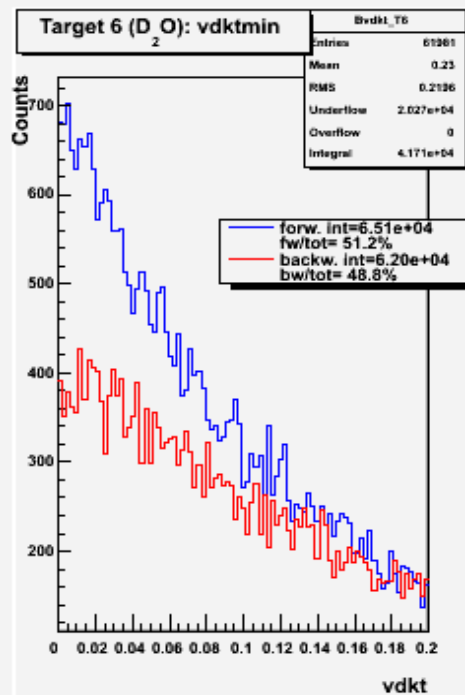
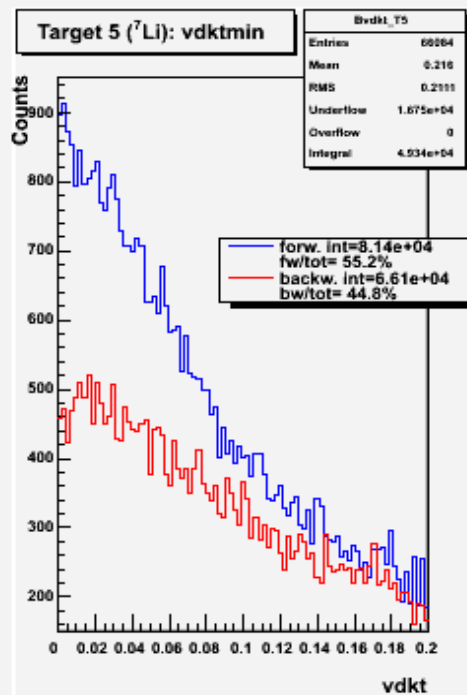
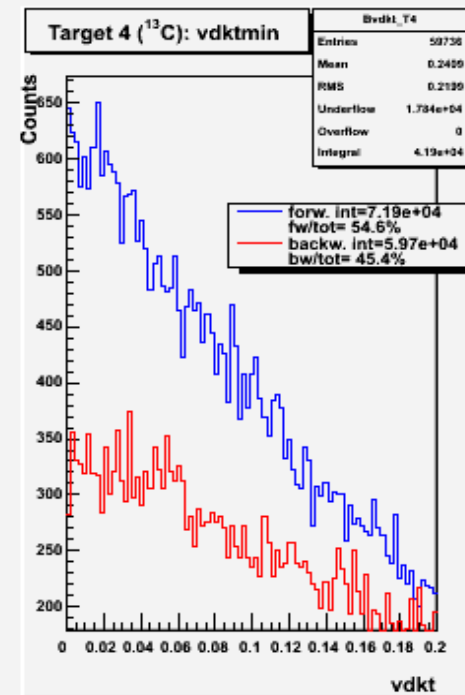
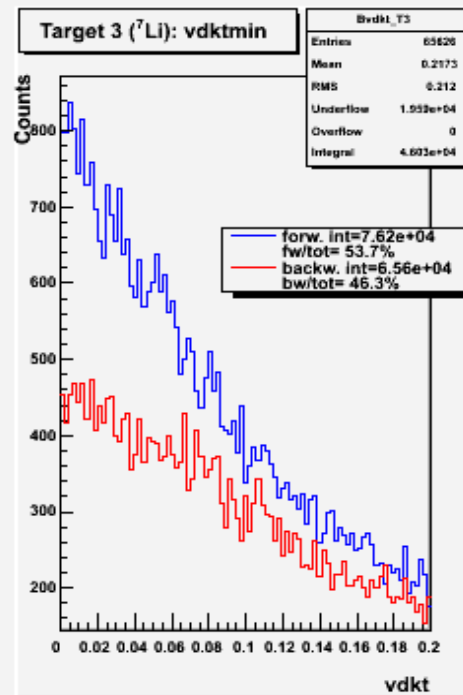
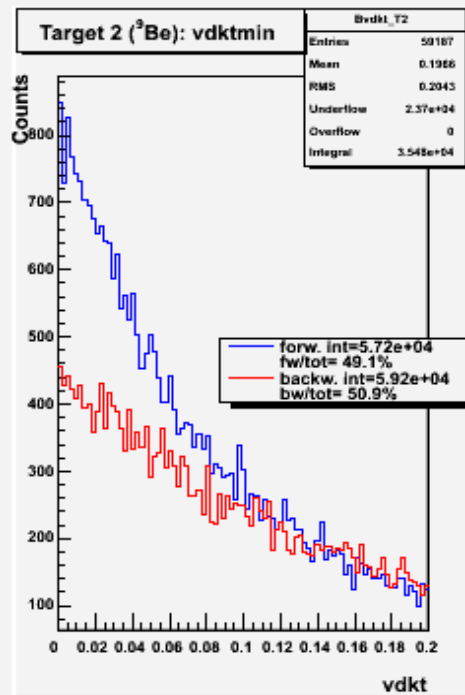
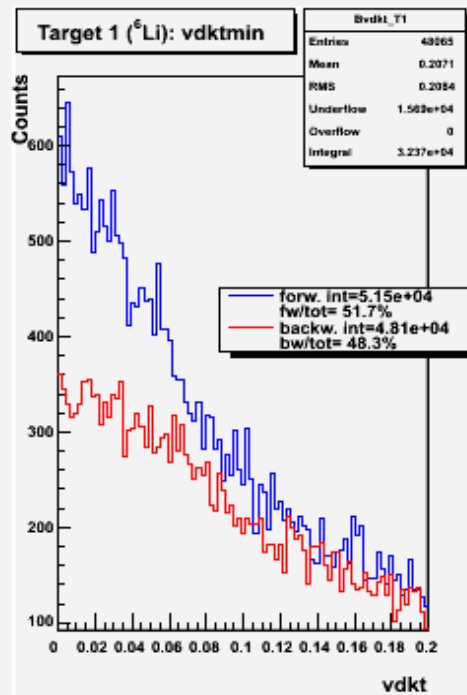
MC signal vdkttmin



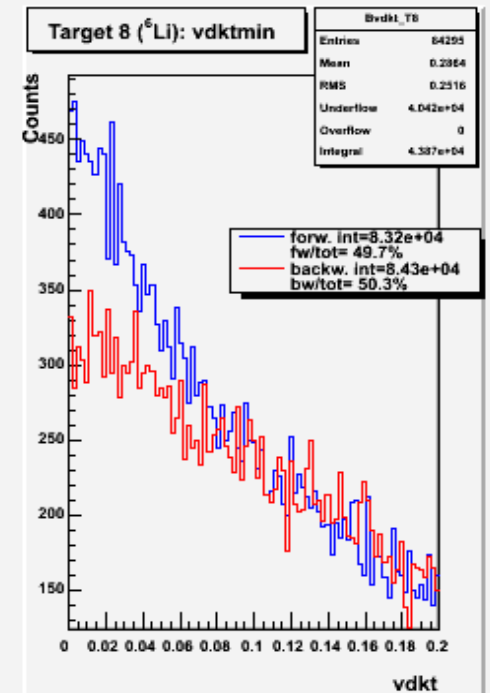
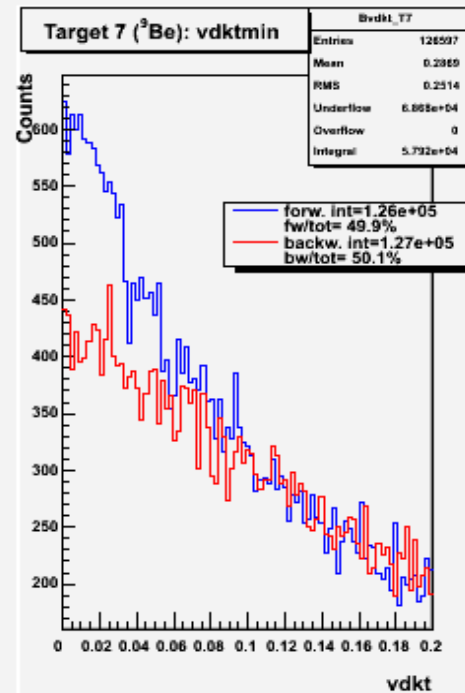
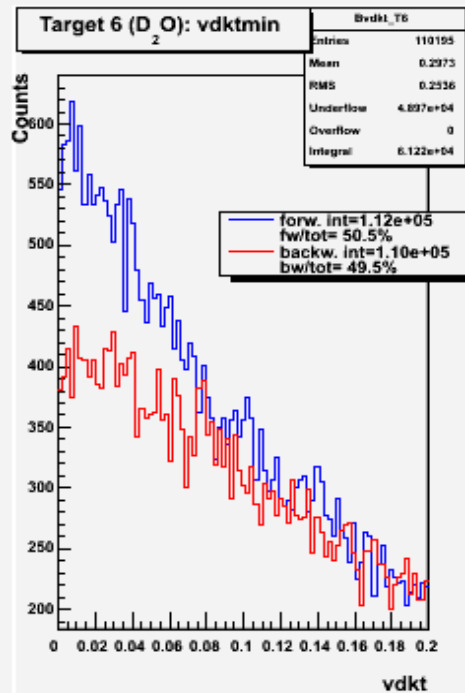
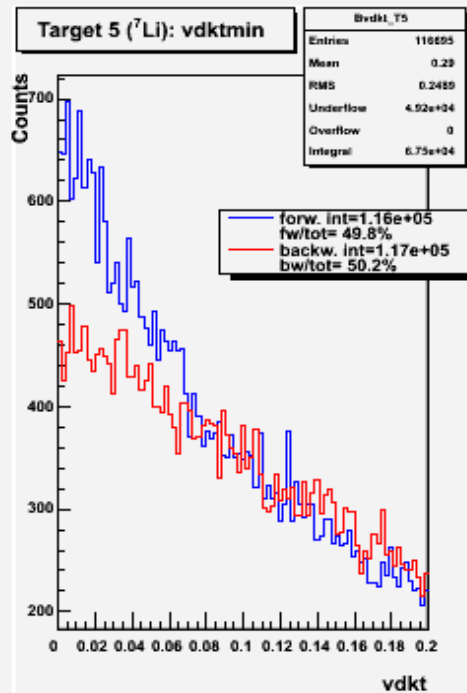
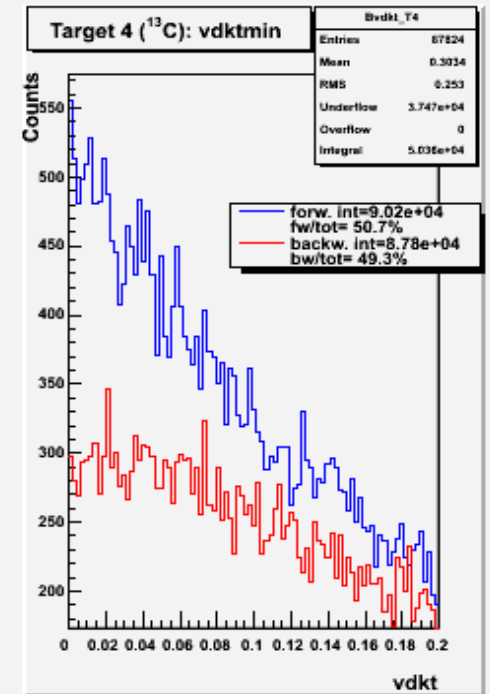
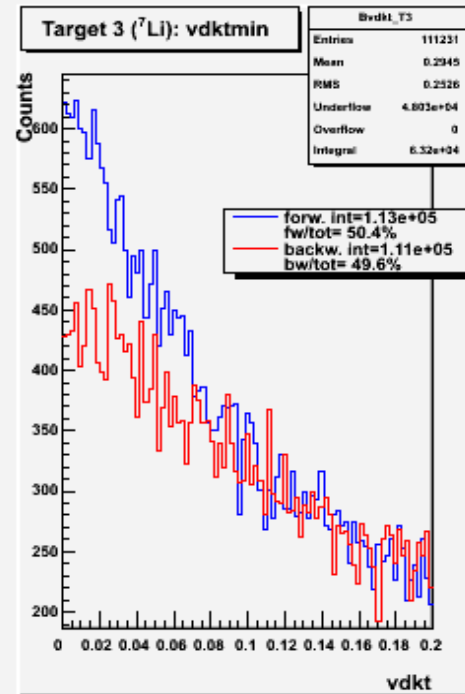
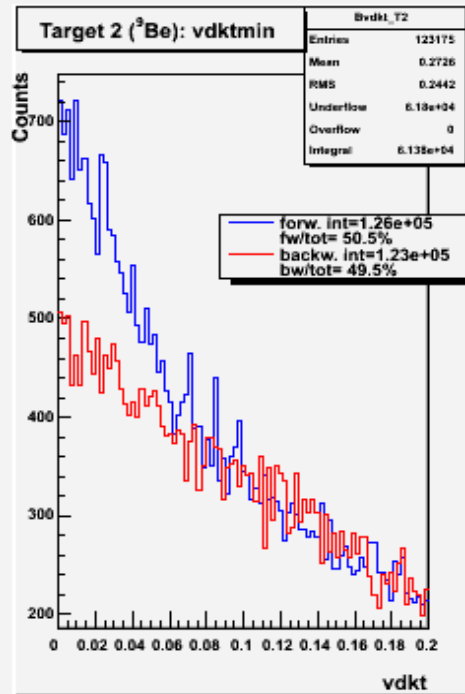
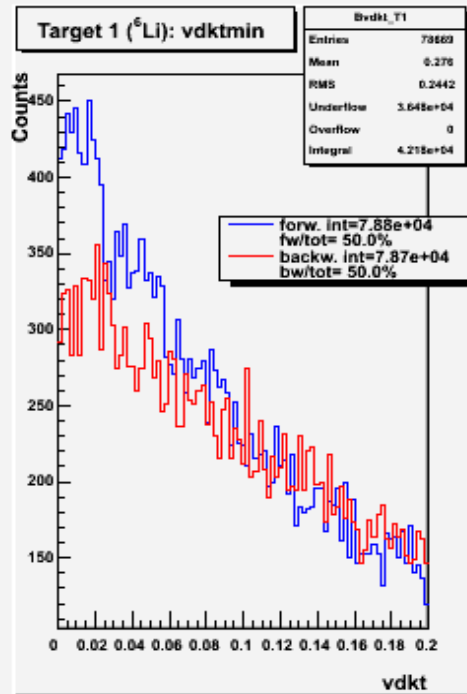
MC $K^- + n \rightarrow \Lambda + \pi^-$ vdk tmin



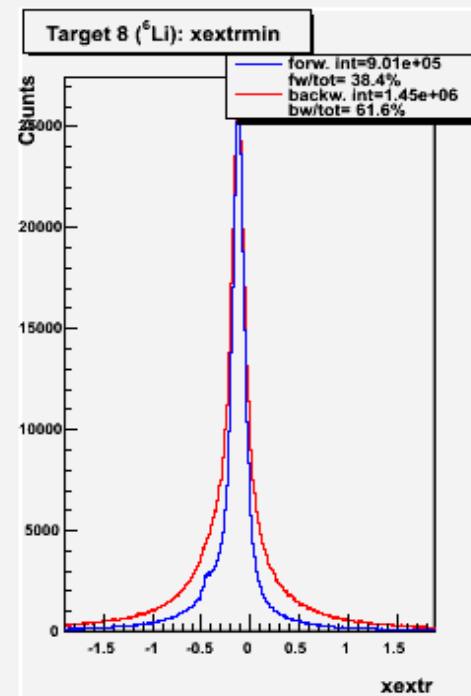
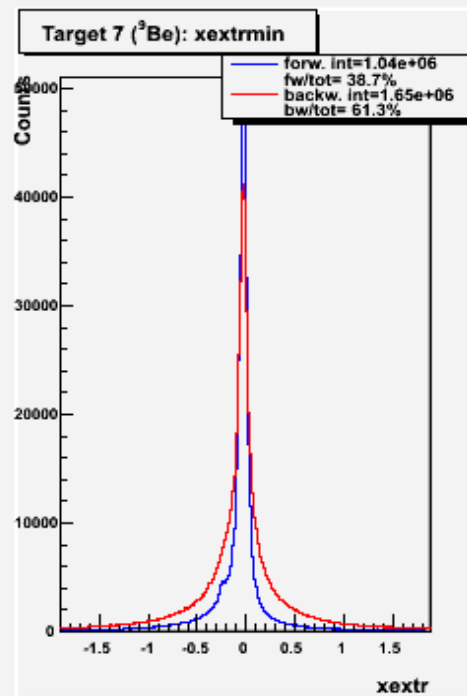
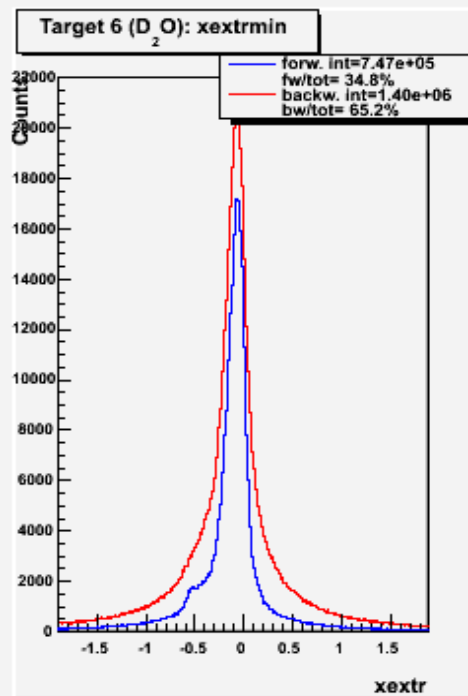
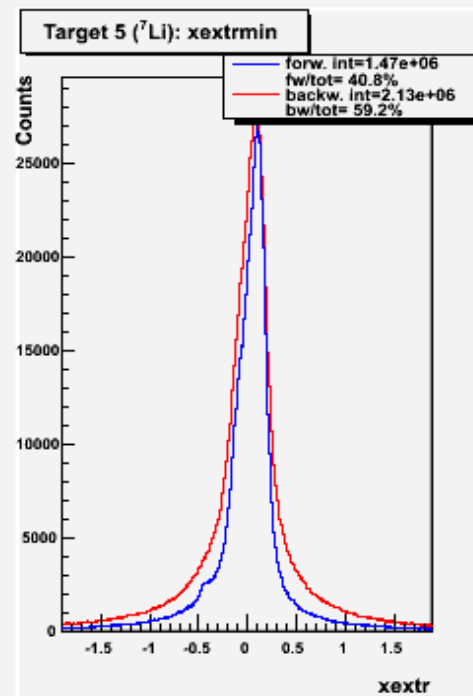
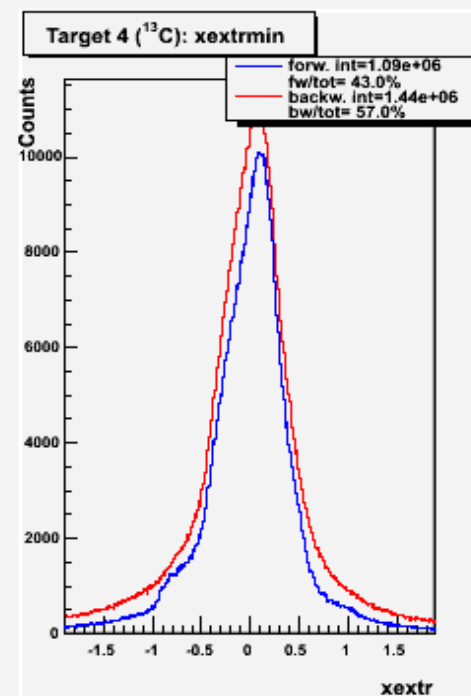
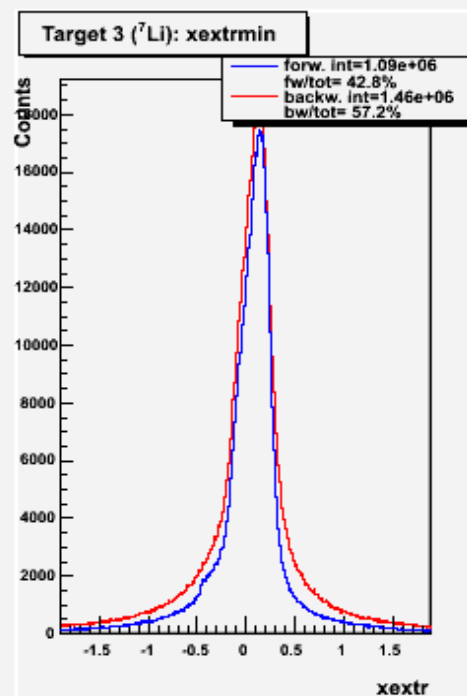
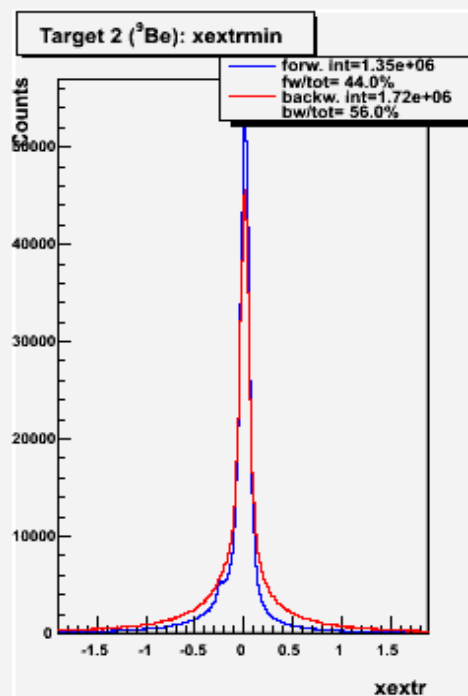
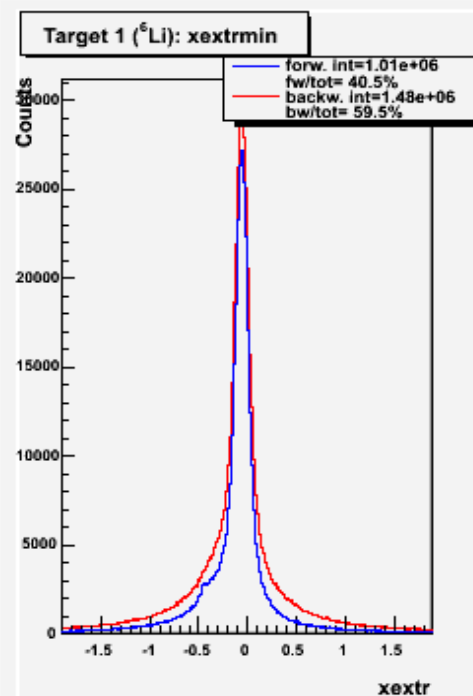
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ vdk tmin



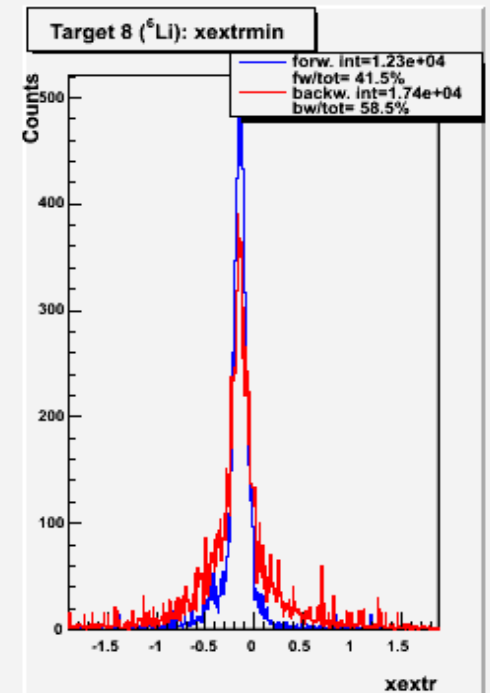
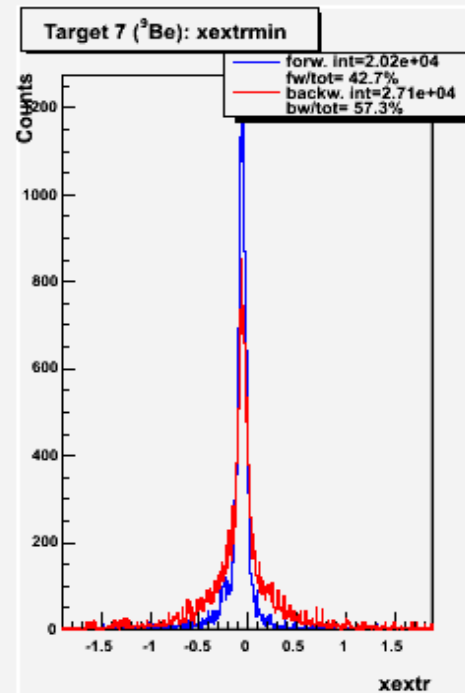
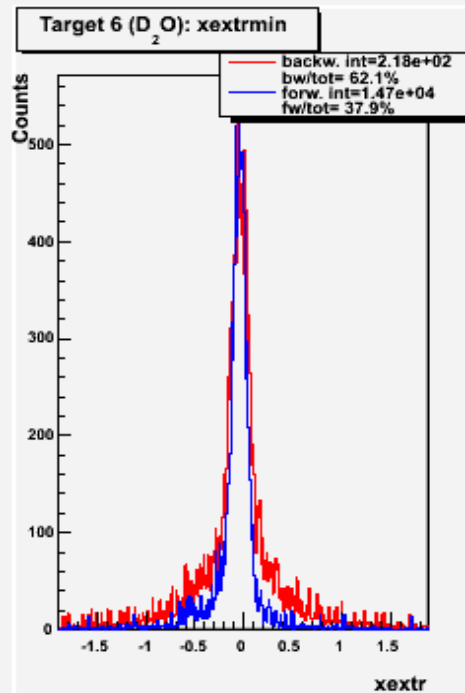
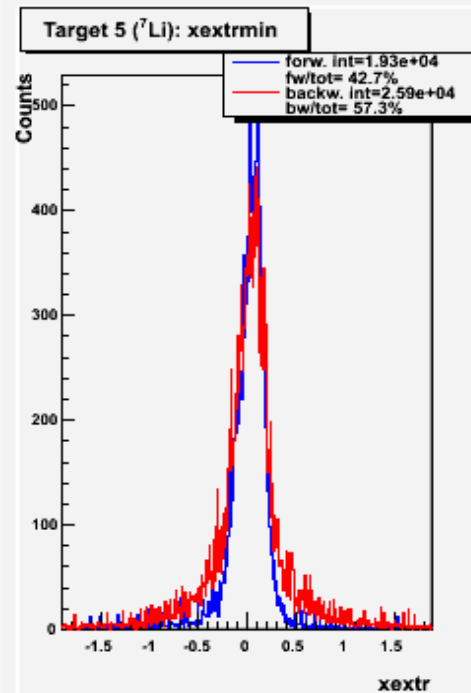
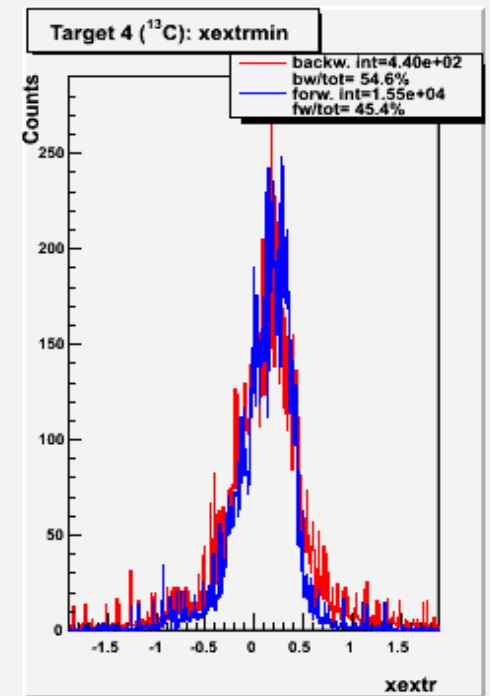
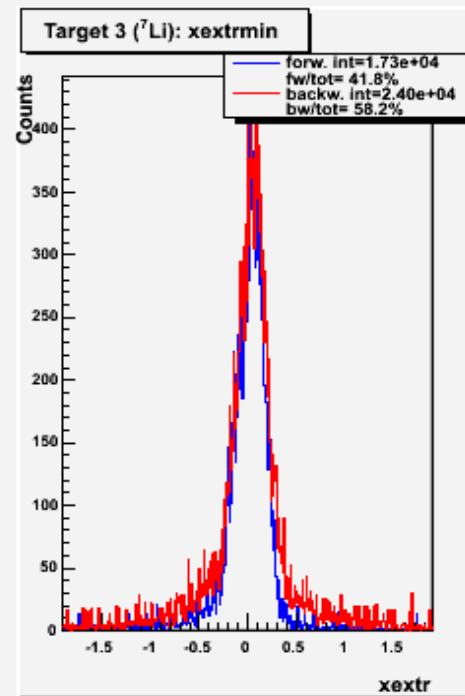
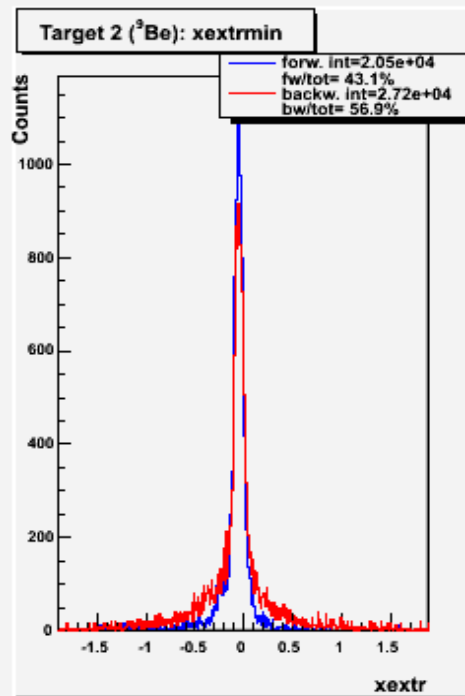
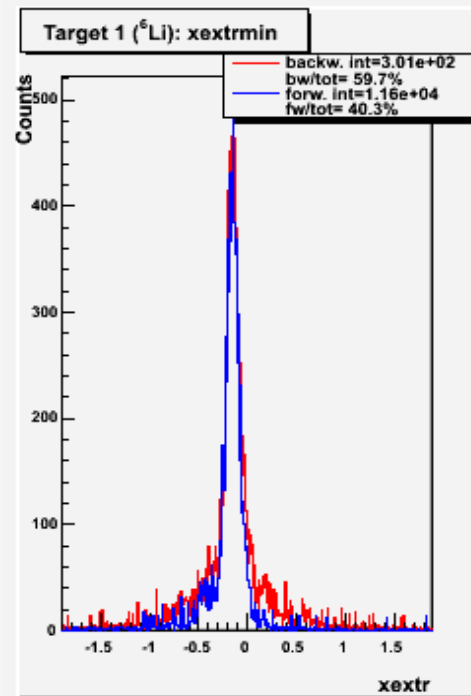
MC $K^- + np \rightarrow \Sigma^- + p$ vdk tmin



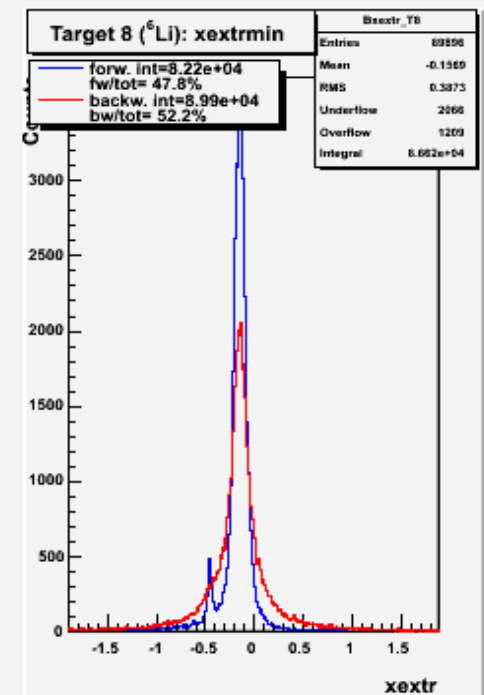
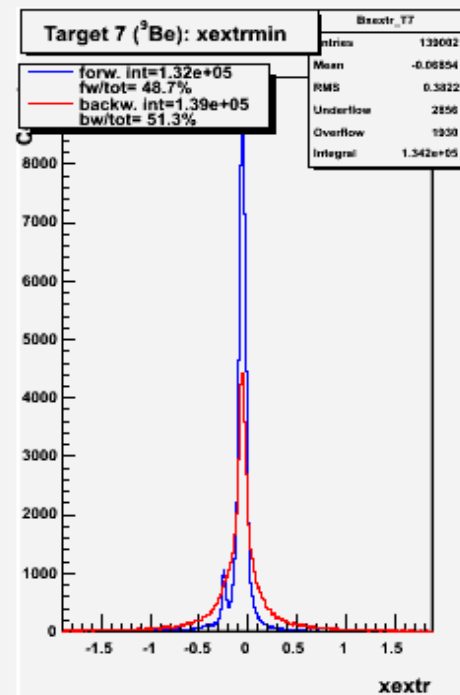
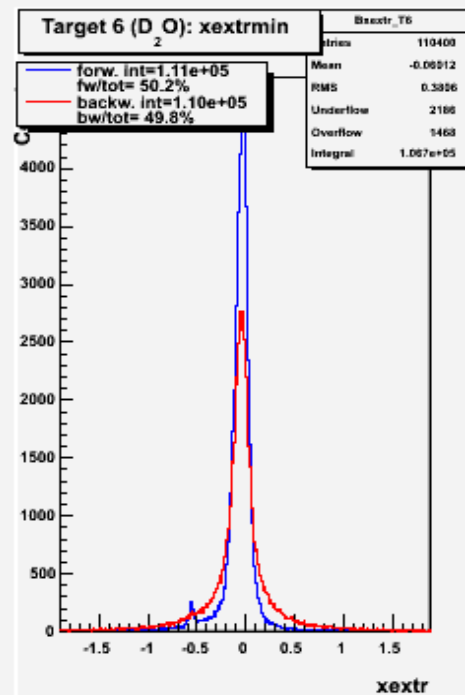
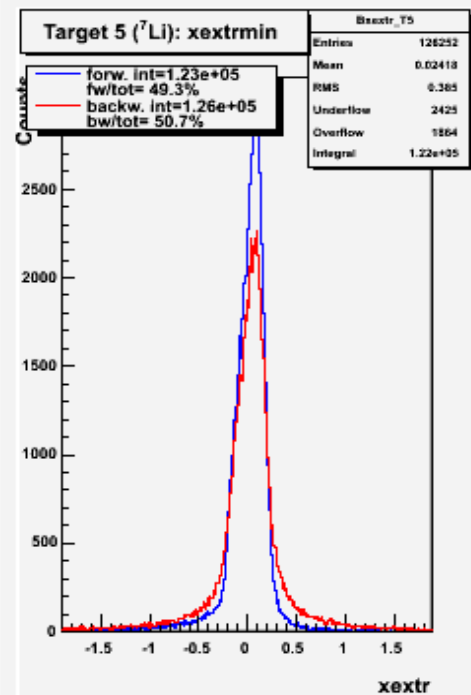
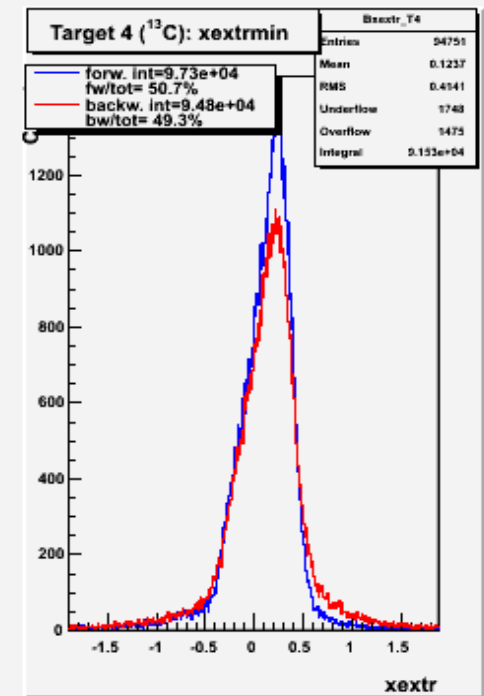
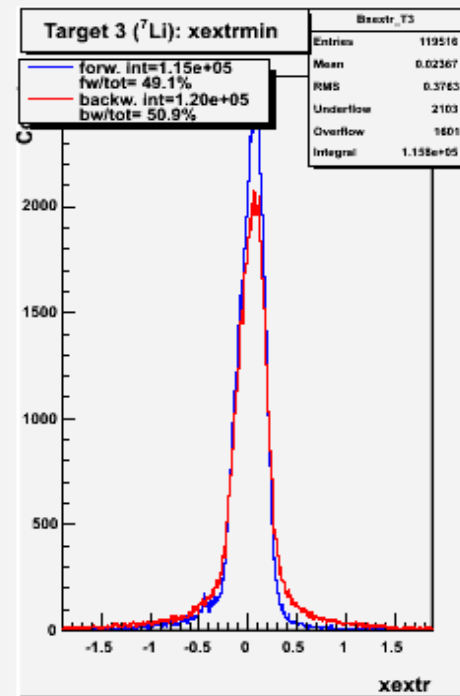
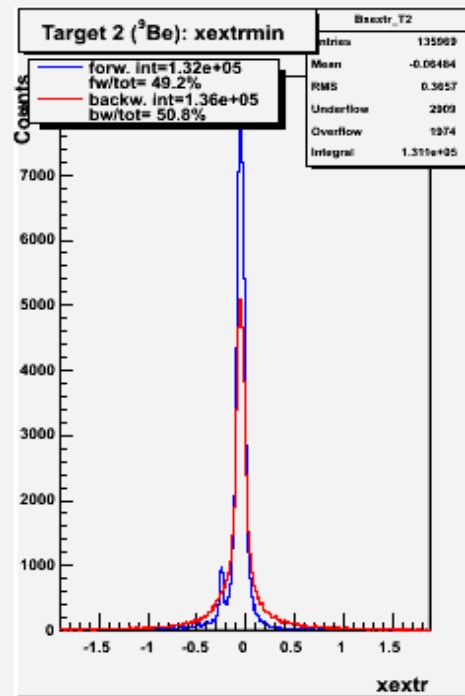
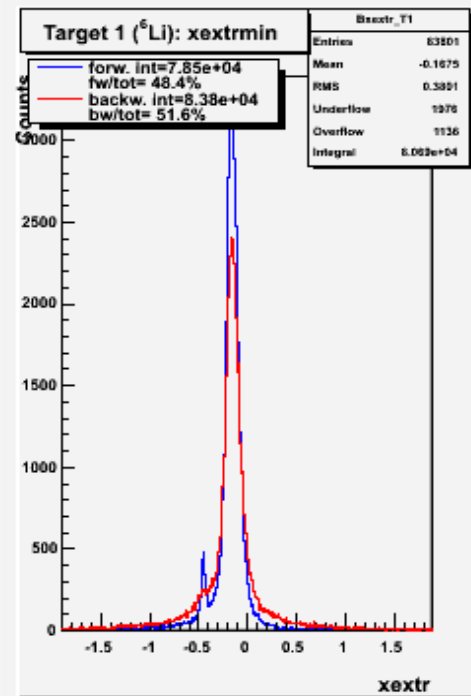
Data xextrmin



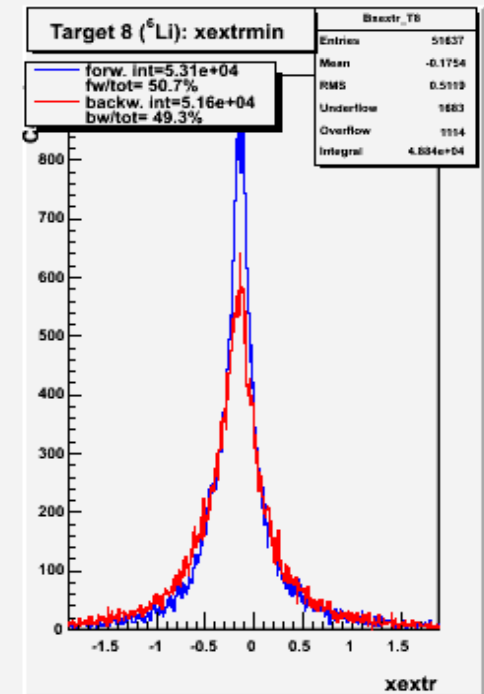
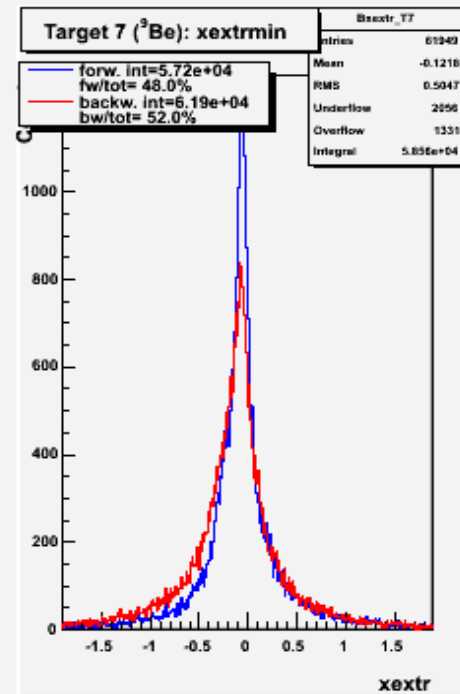
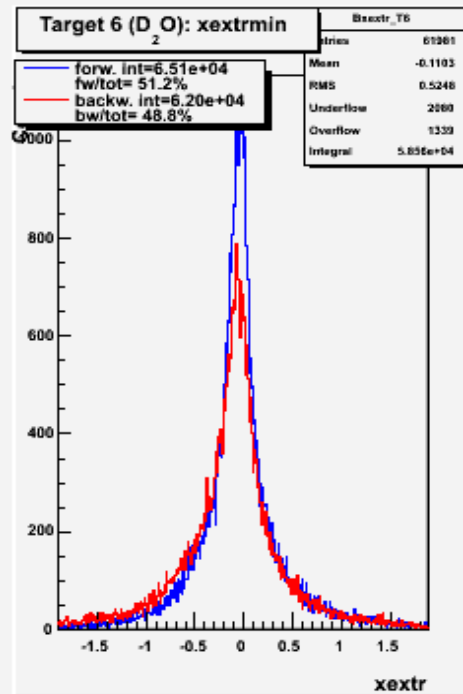
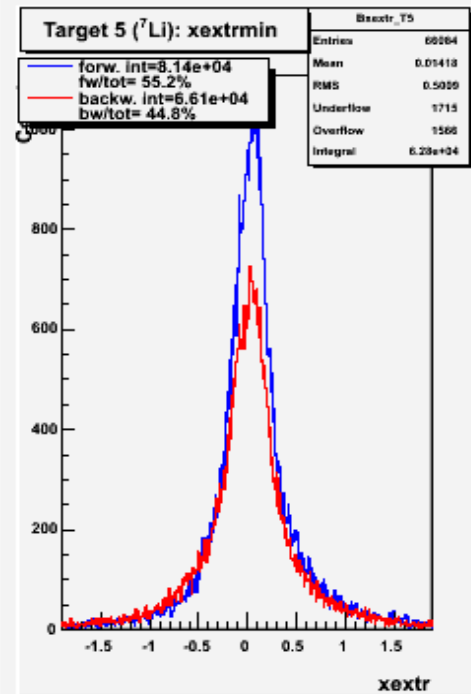
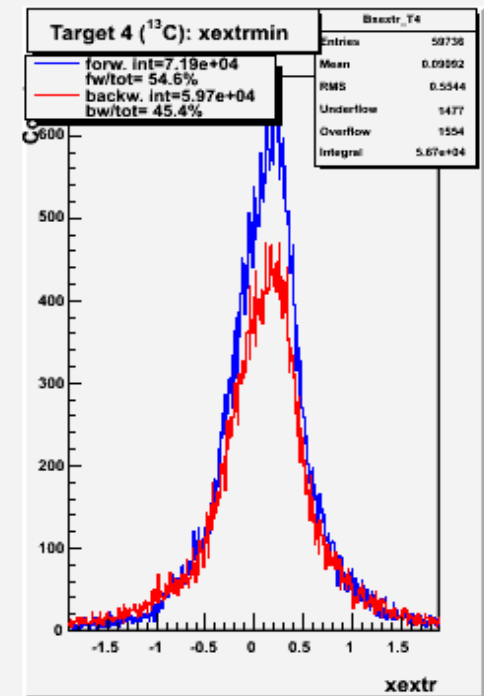
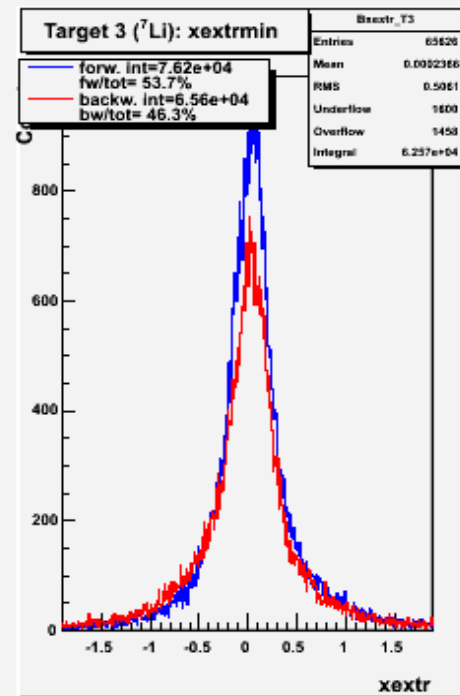
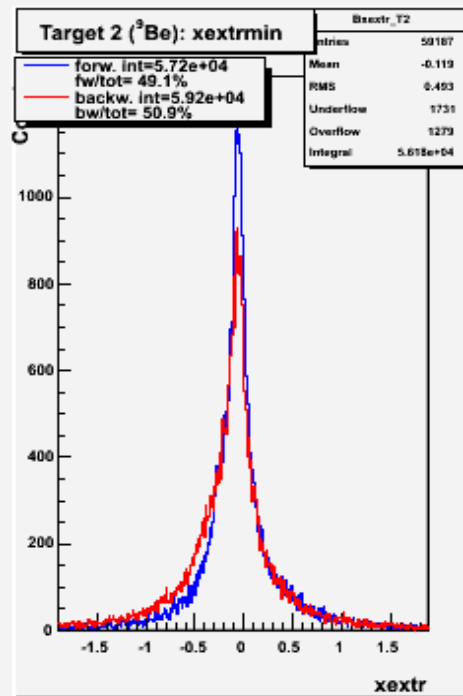
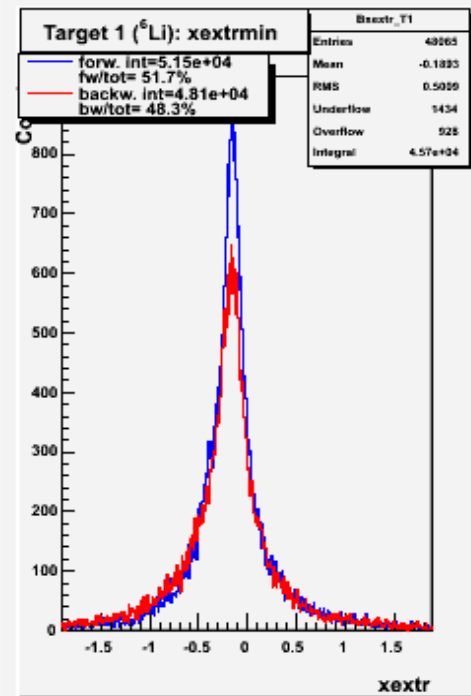
MC signal xextrmin



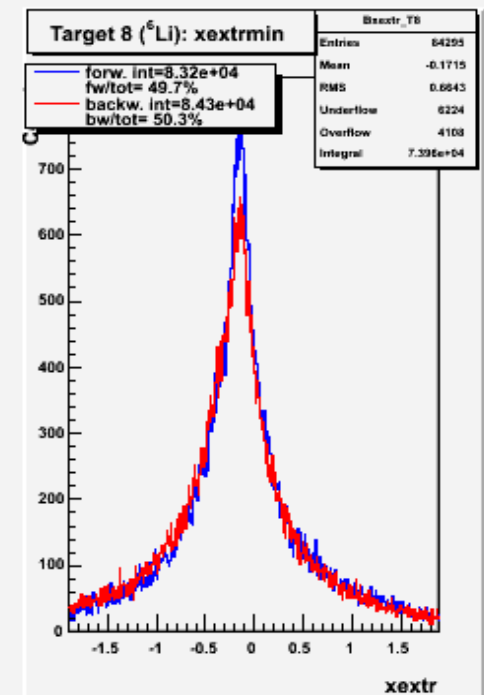
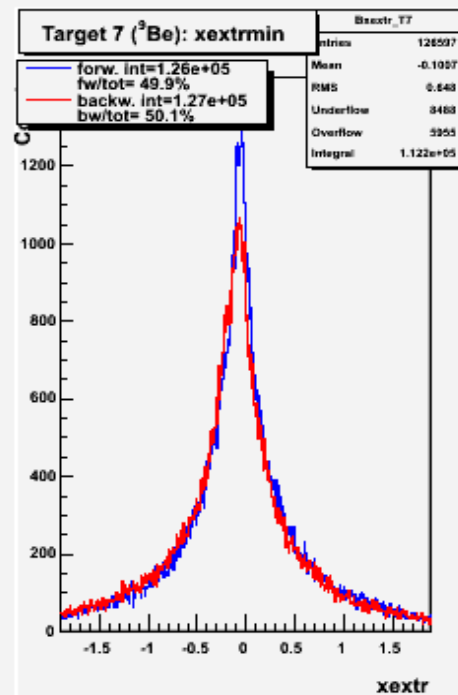
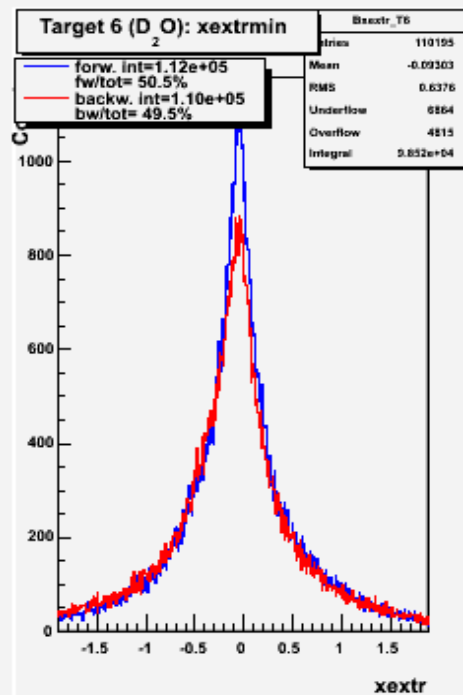
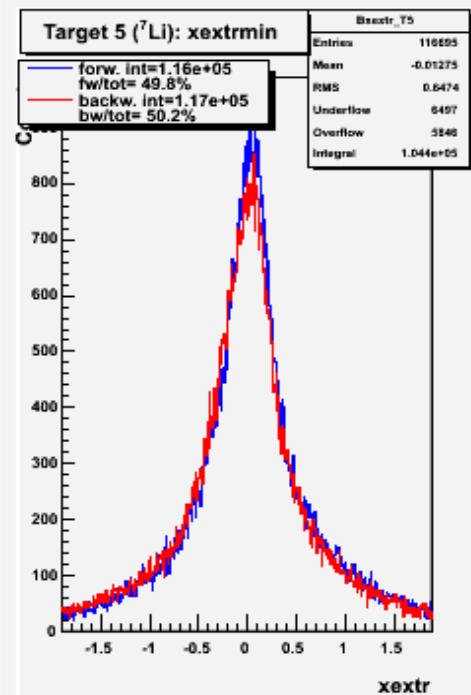
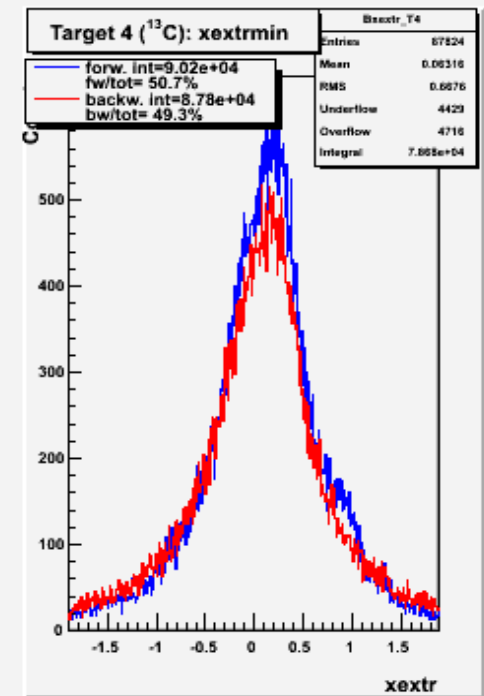
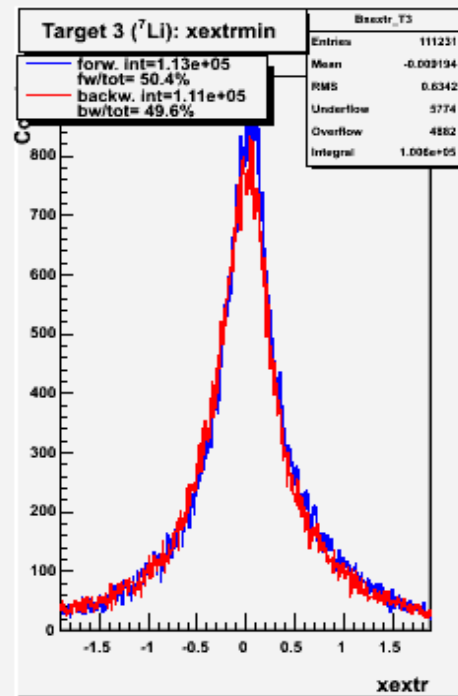
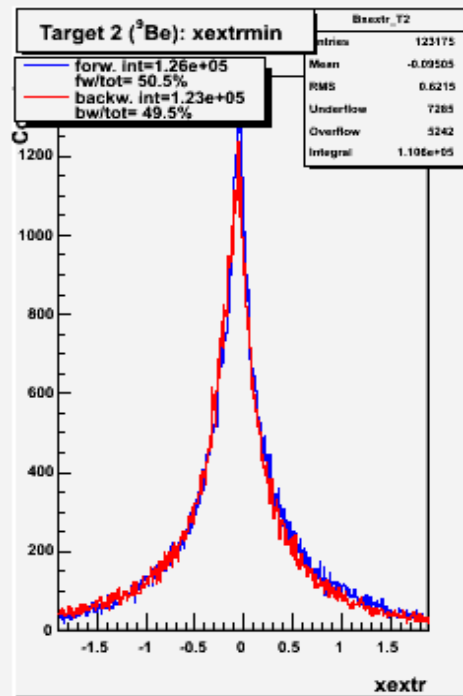
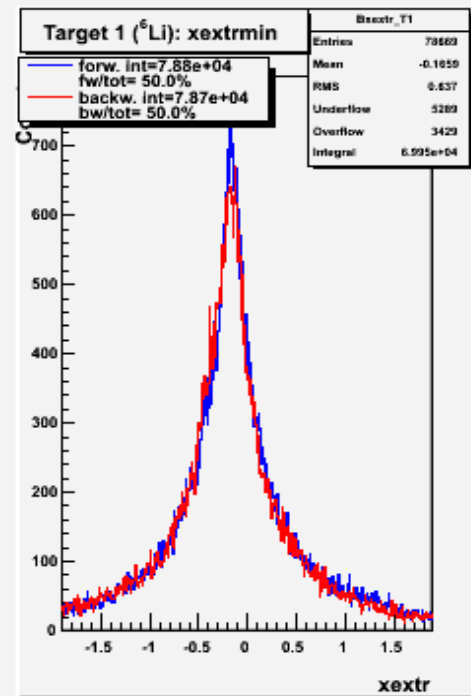
MC $K^- + n \rightarrow \Lambda + \pi^-$ xextrmin



MC $K^-+p \rightarrow \Sigma^-+\pi^+$ xextrmin



MC $K^-+np \rightarrow \Sigma^-+p$ xextrmin

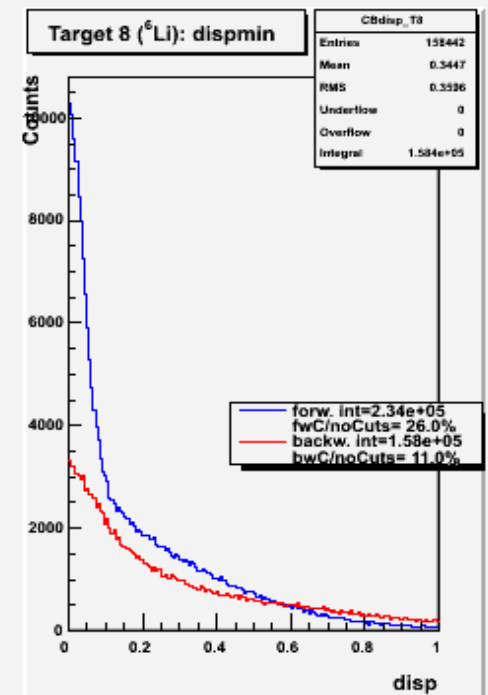
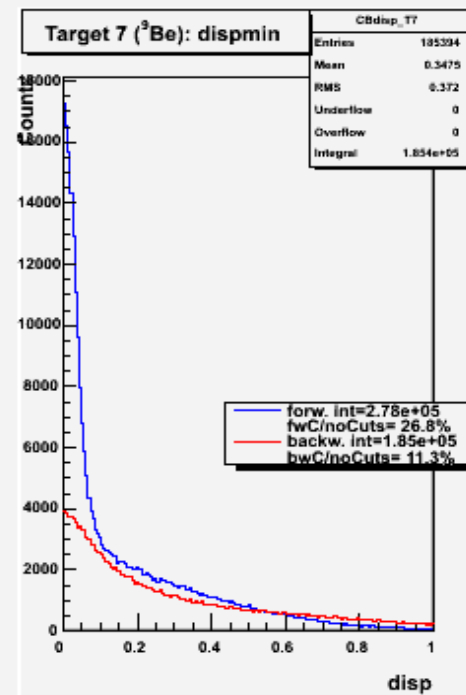
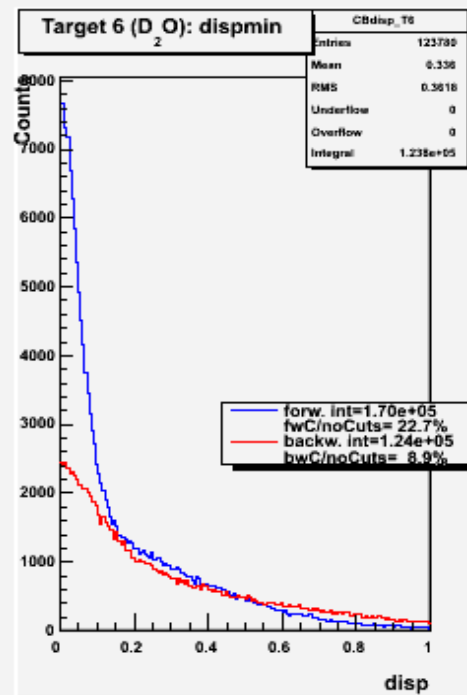
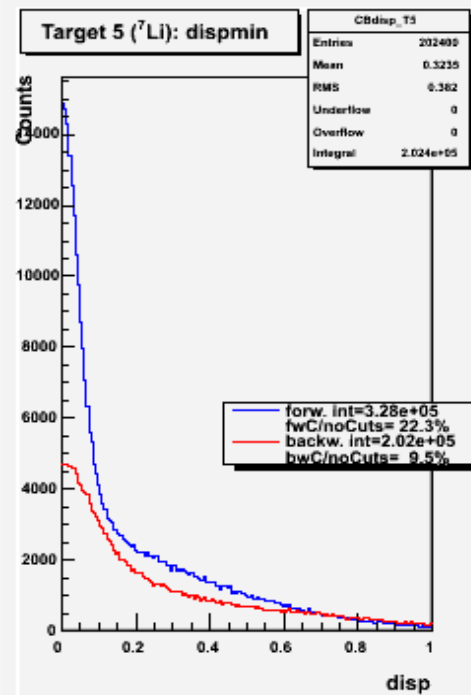
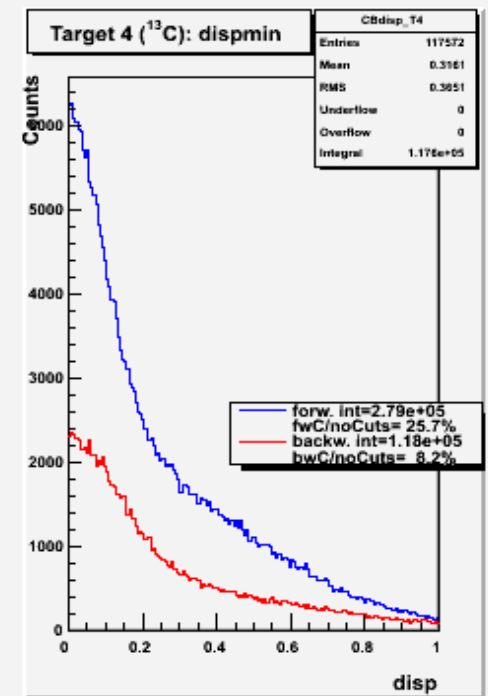
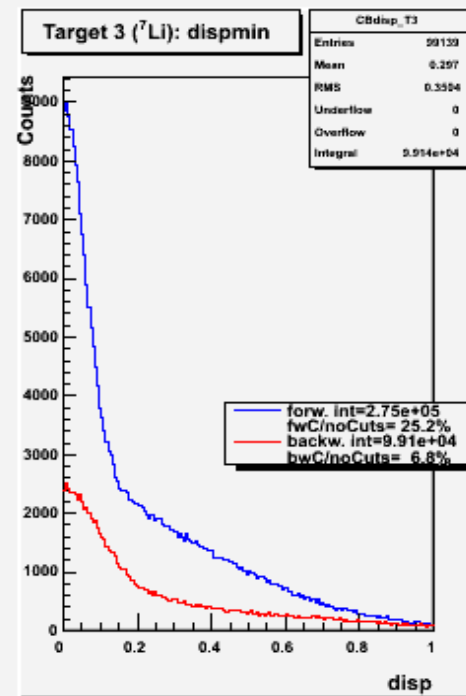
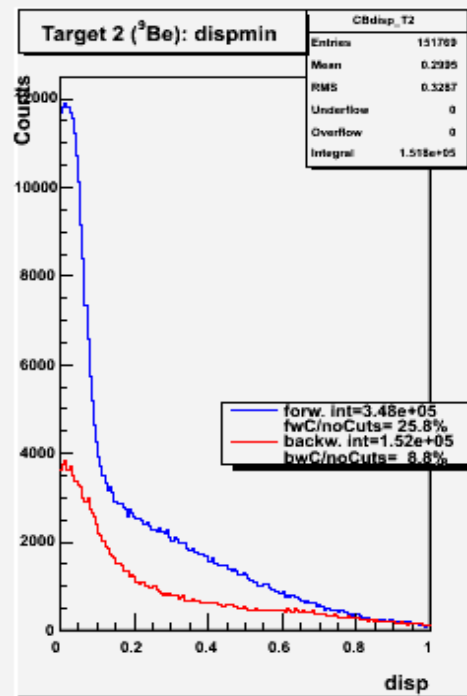
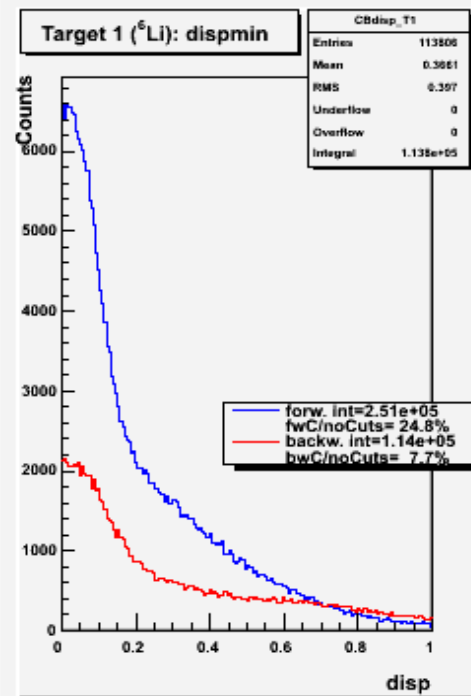


Variabili.

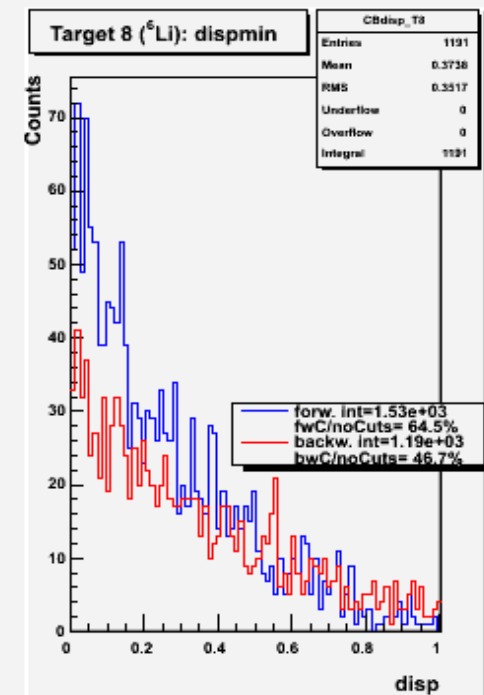
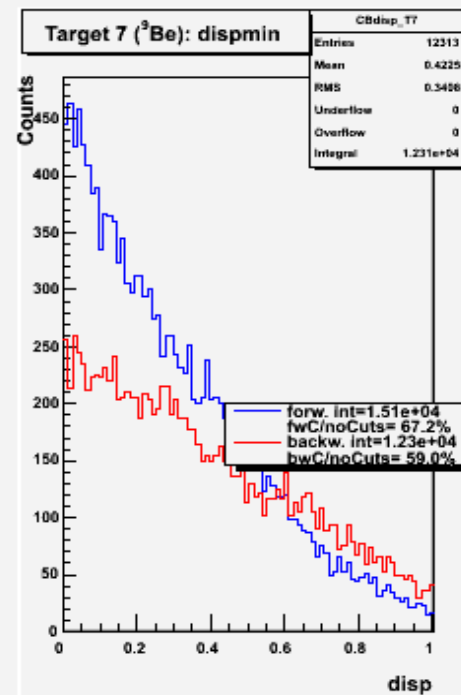
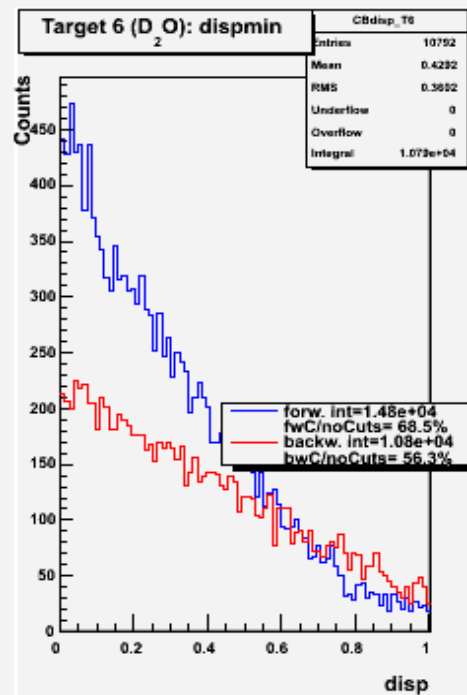
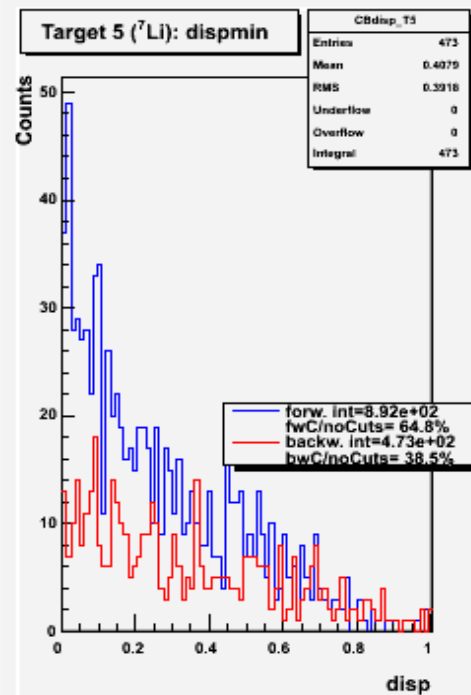
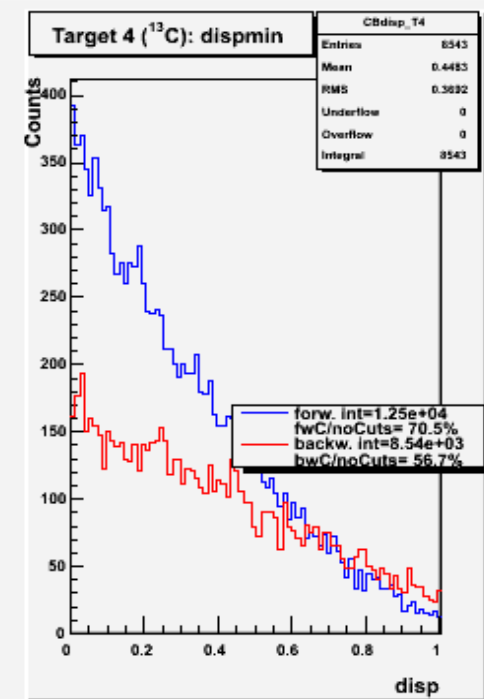
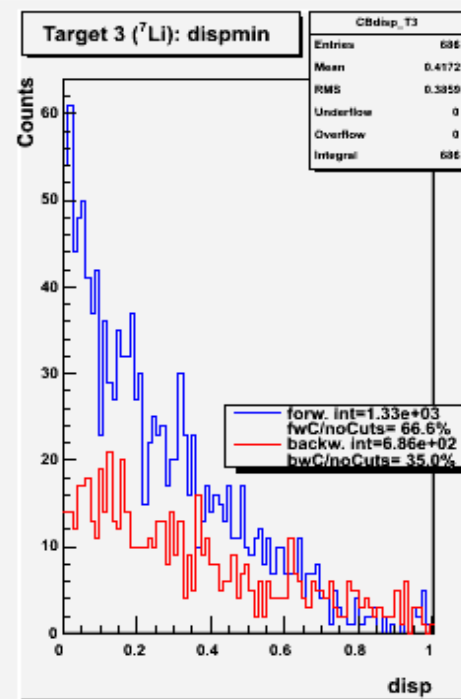
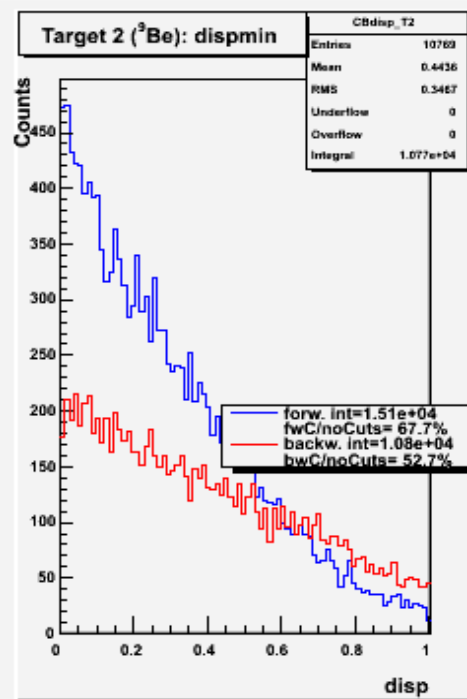
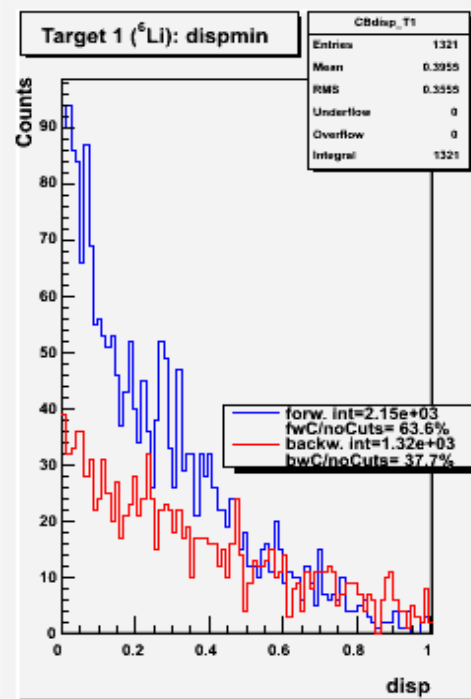
Dati vs. Monte Carlo

- No Cuts
- Loose Cuts
 -
 - Dispmin
 - Disvmin
 - Resdmin
 - Vdktmin
 - Xextrmin

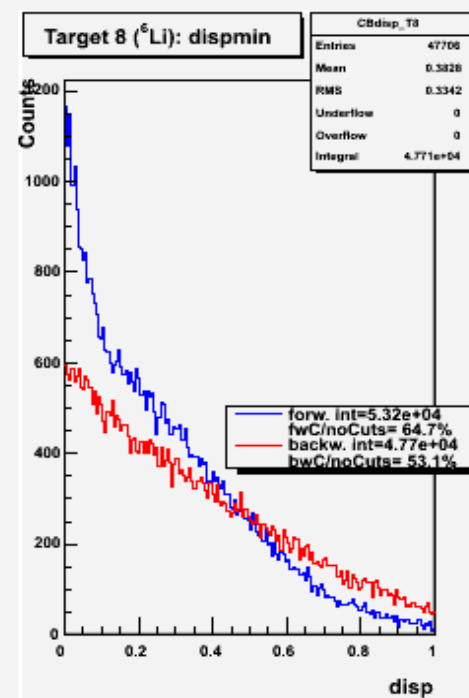
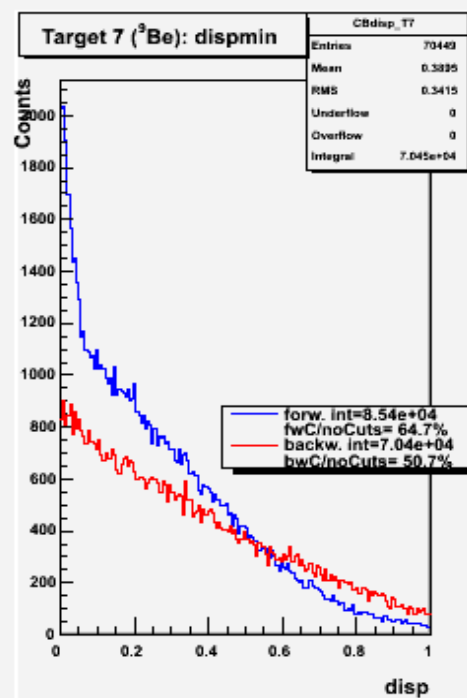
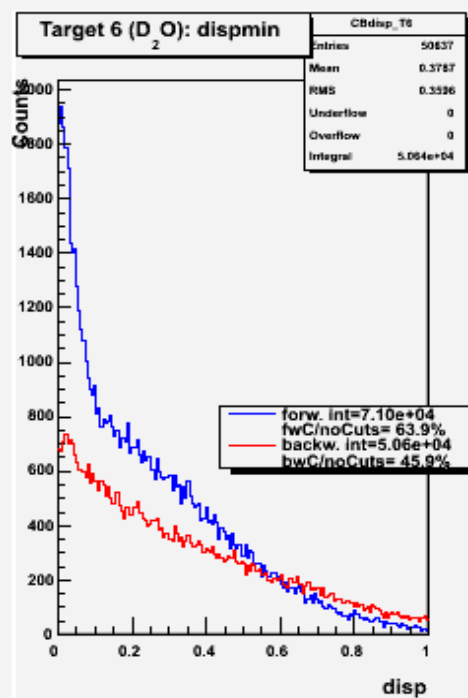
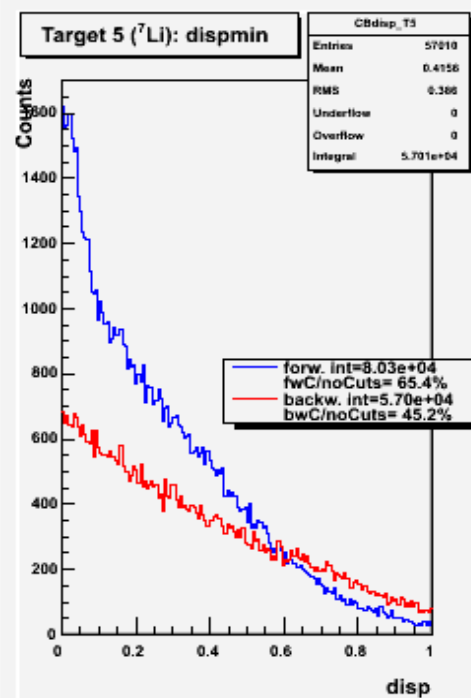
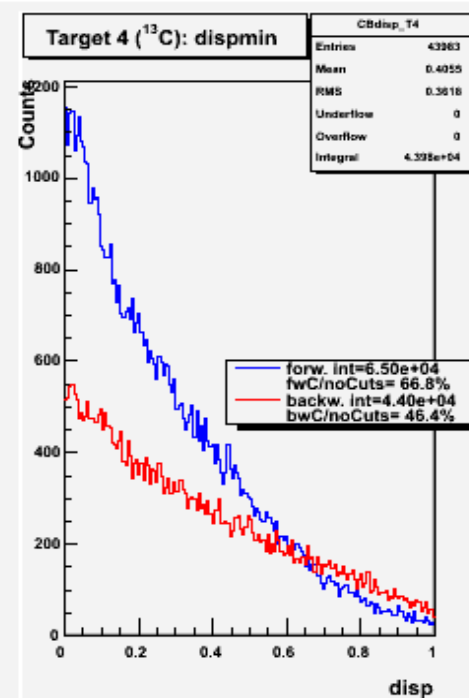
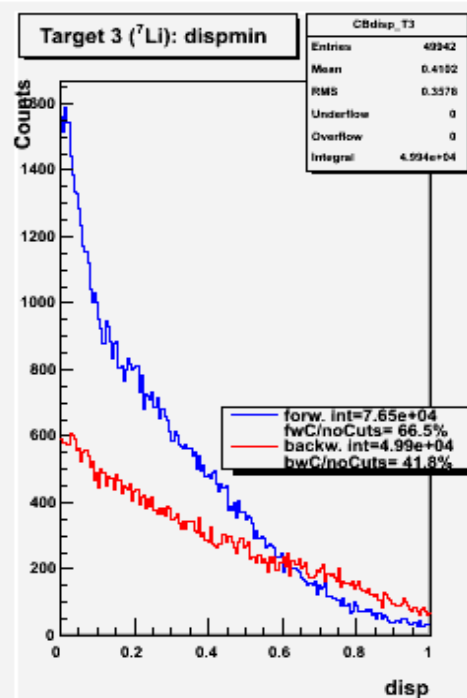
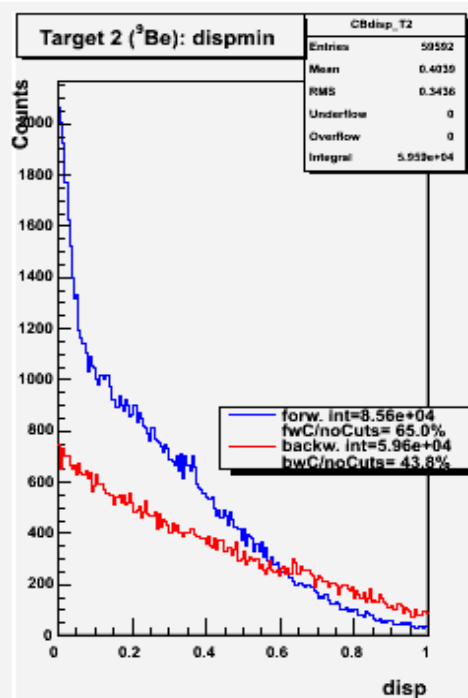
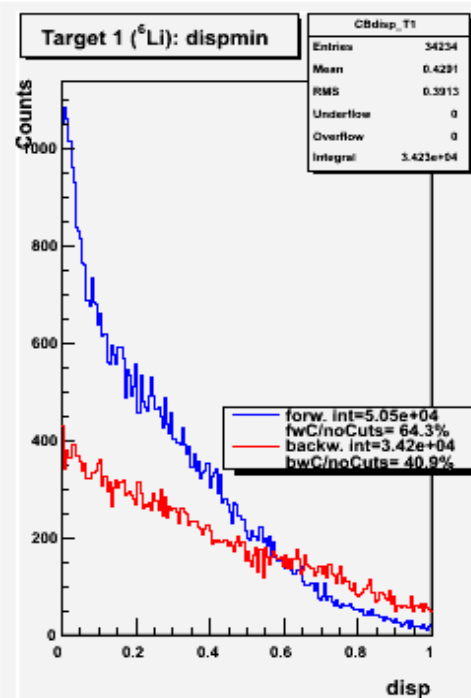
Data dispmin (Loose Cuts)



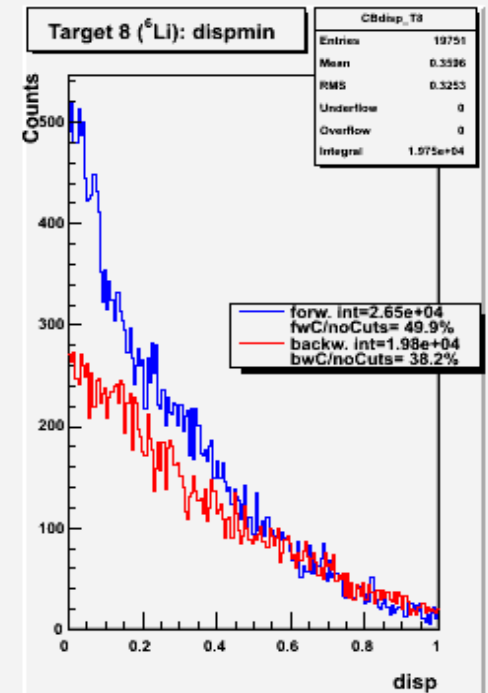
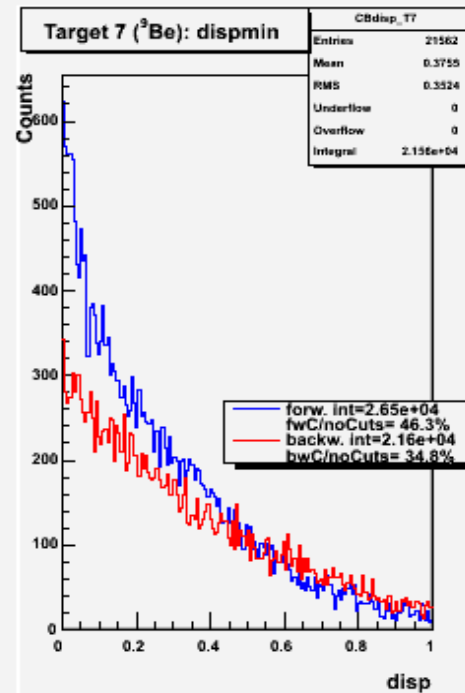
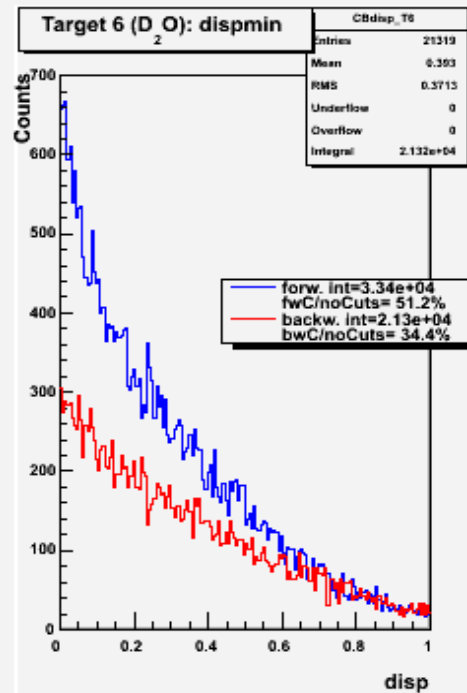
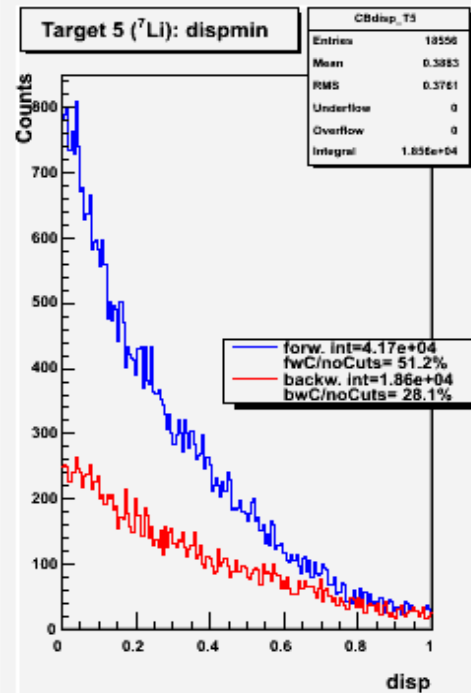
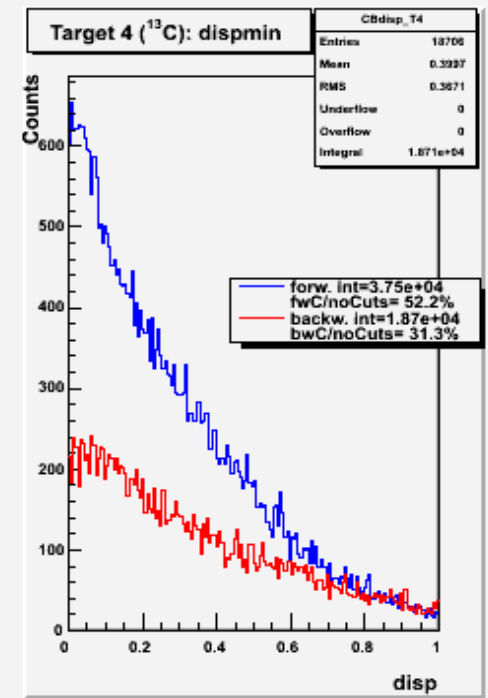
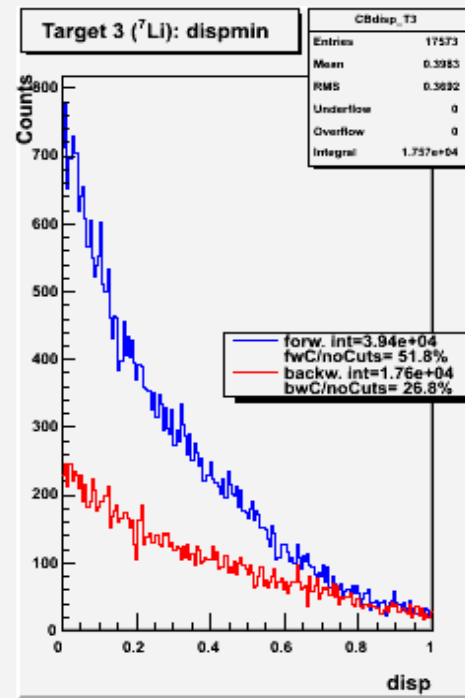
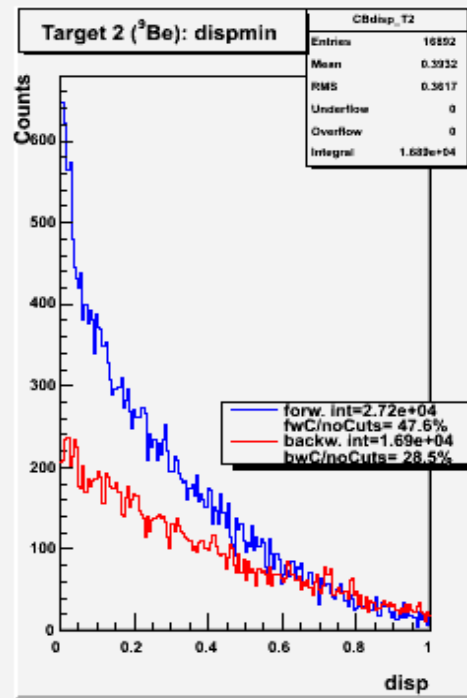
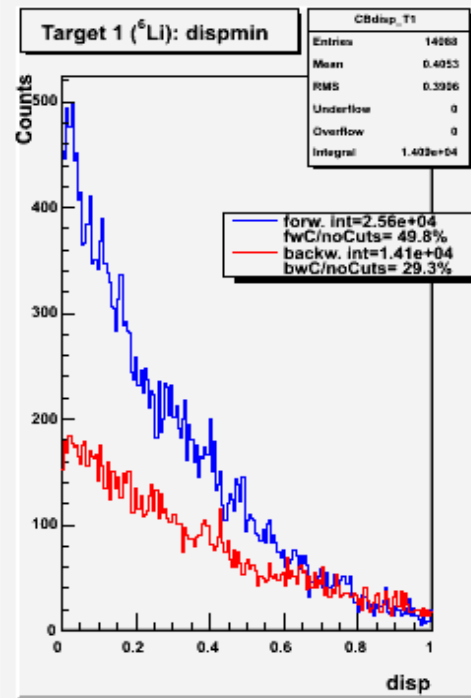
MC signal dispmin (Loose Cuts)



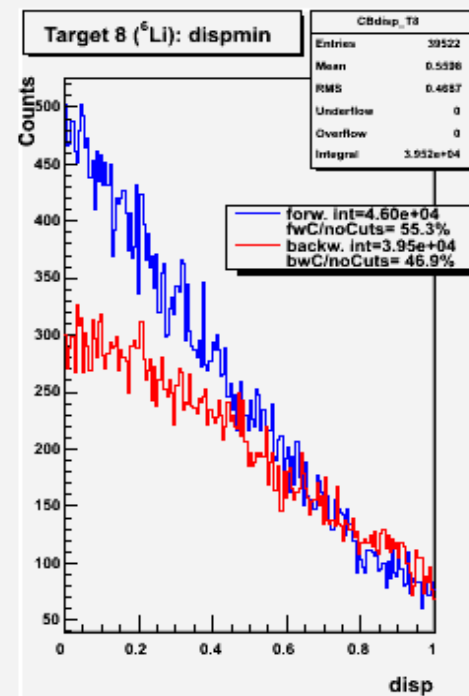
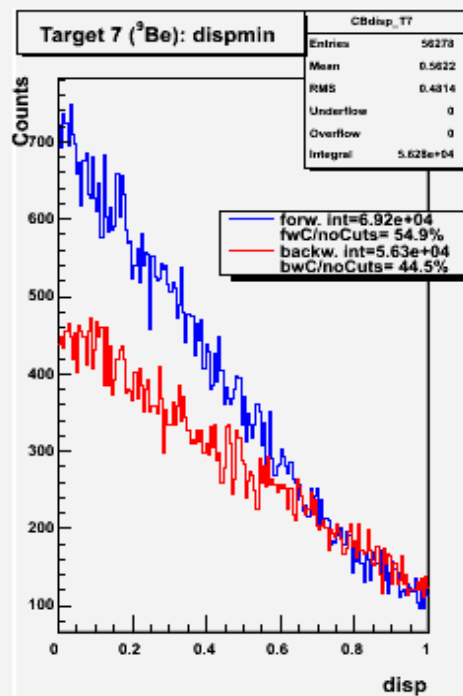
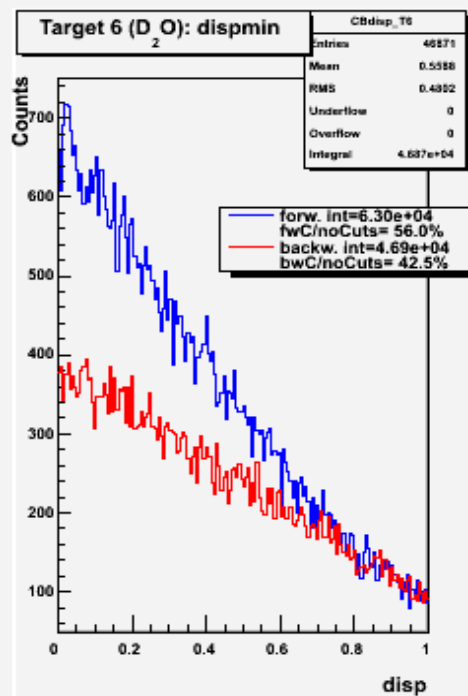
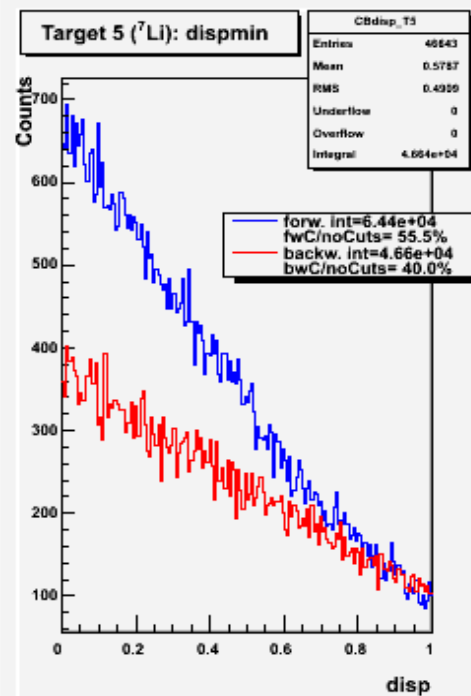
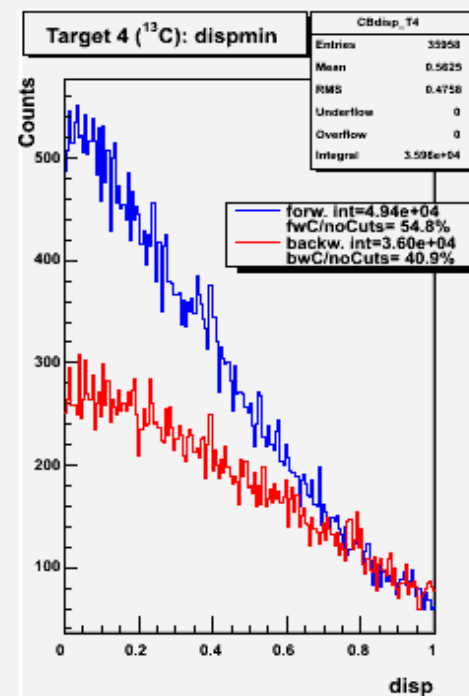
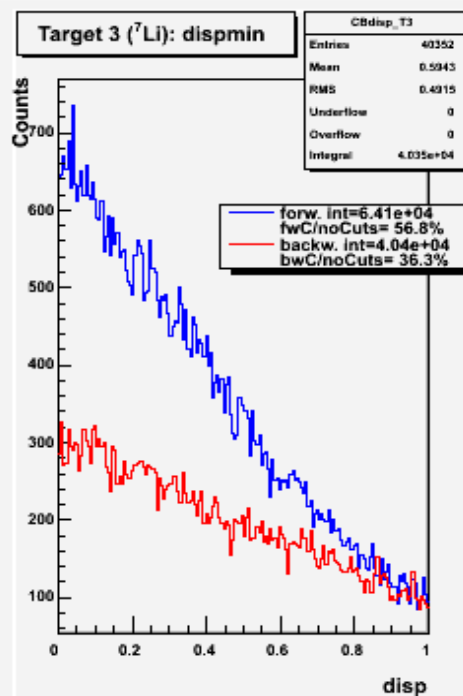
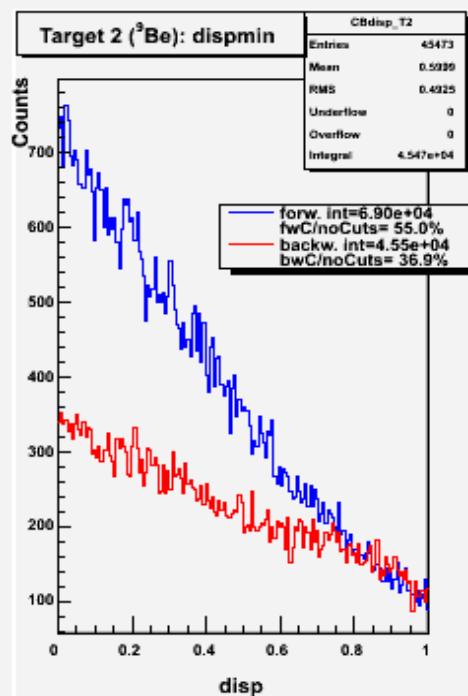
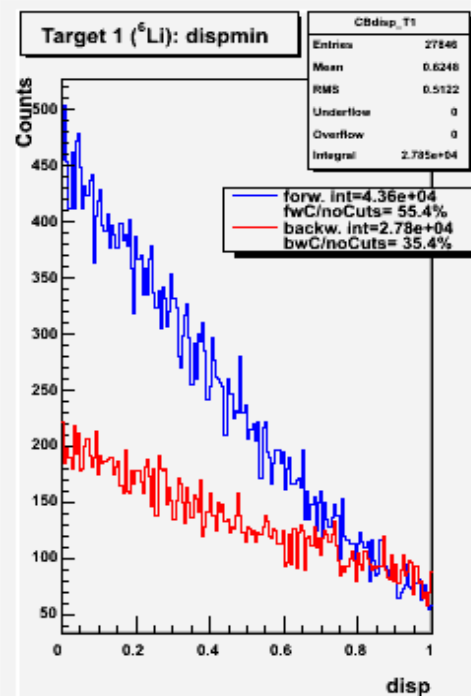
MC $K^- + n \rightarrow \Lambda + \pi^-$ dispmin (Loose Cuts)



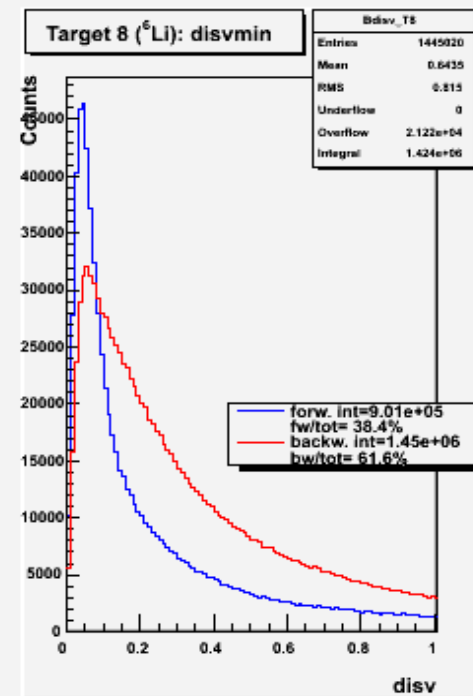
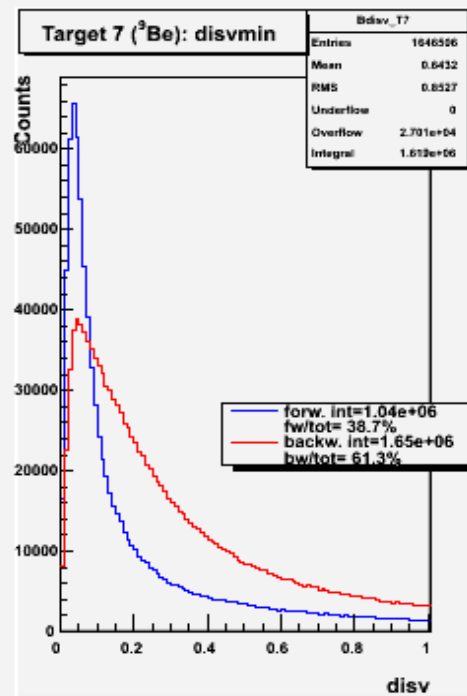
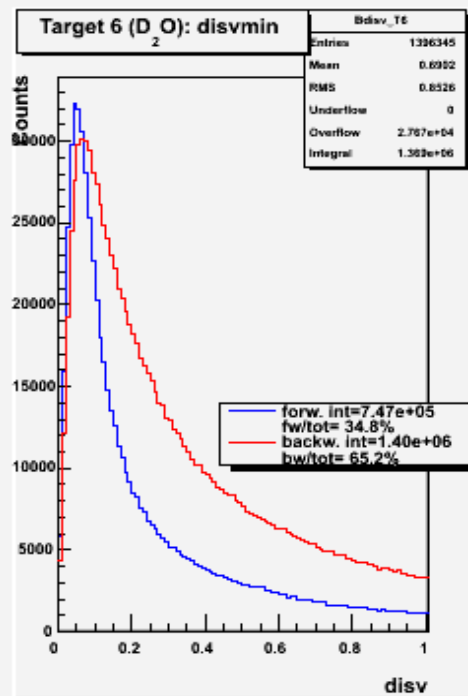
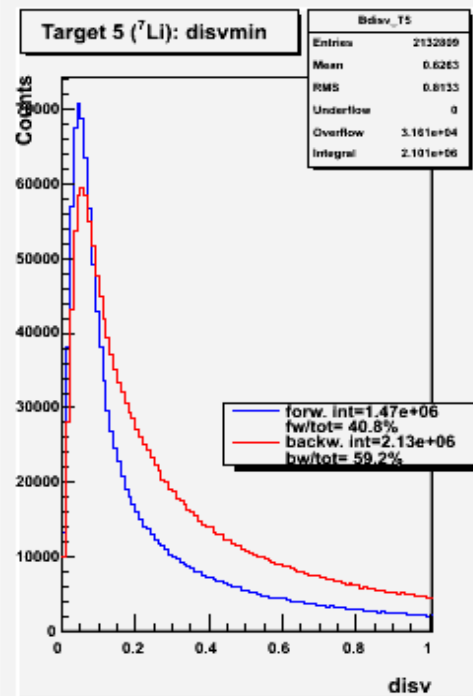
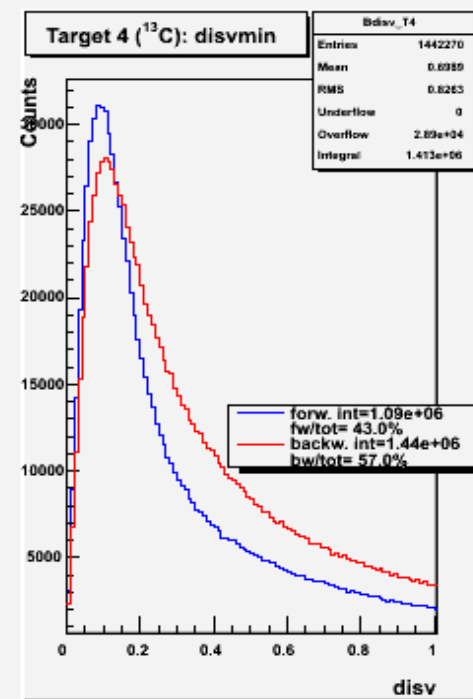
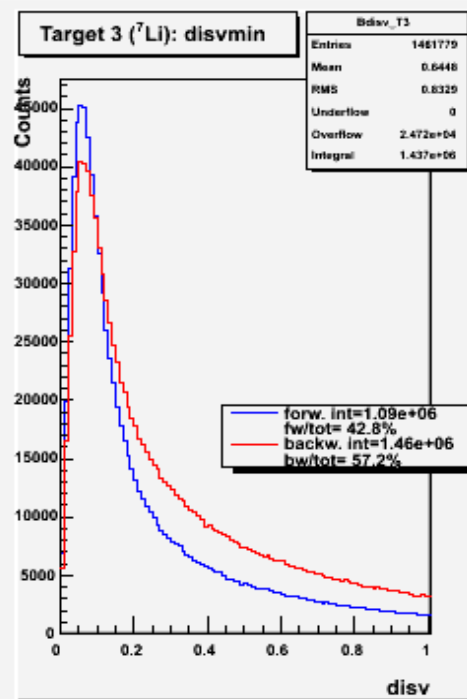
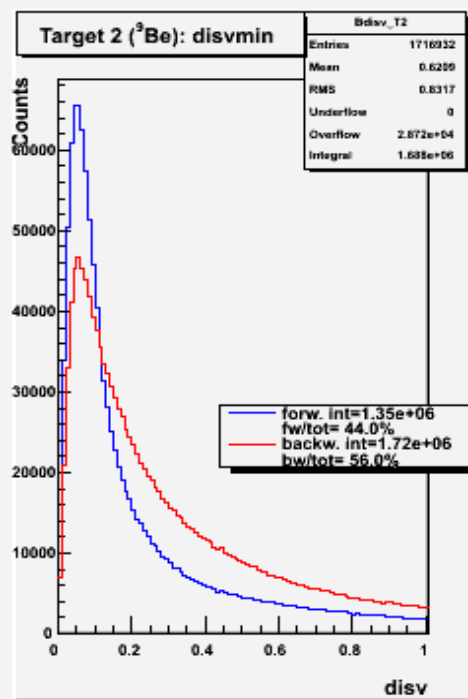
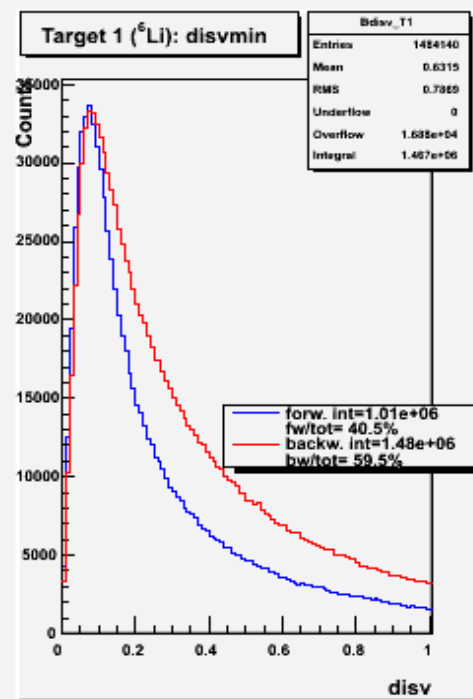
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ dispmin (Loose Cuts)



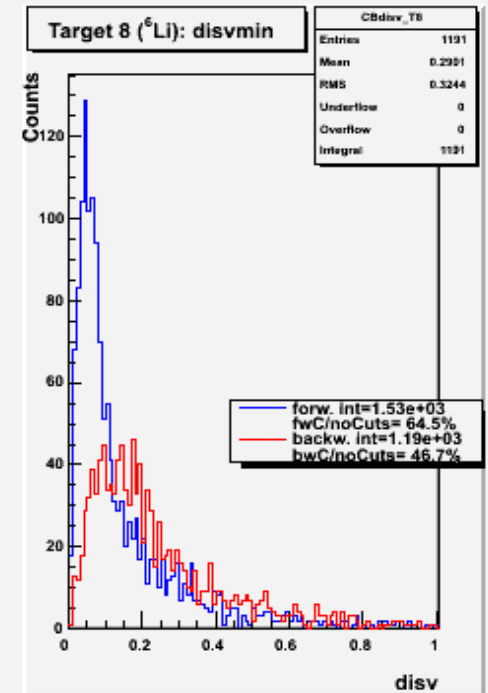
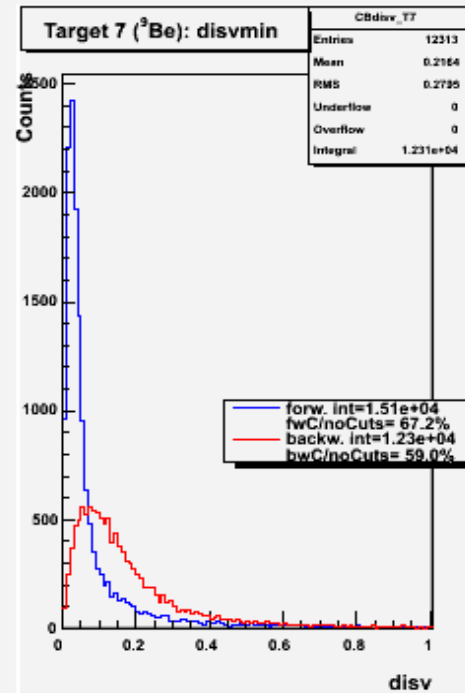
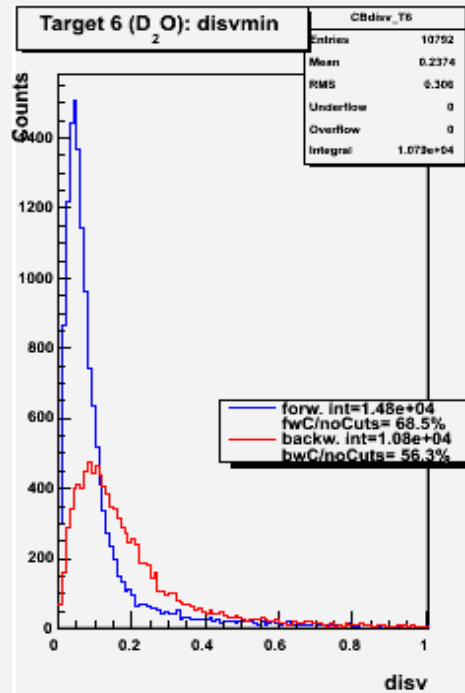
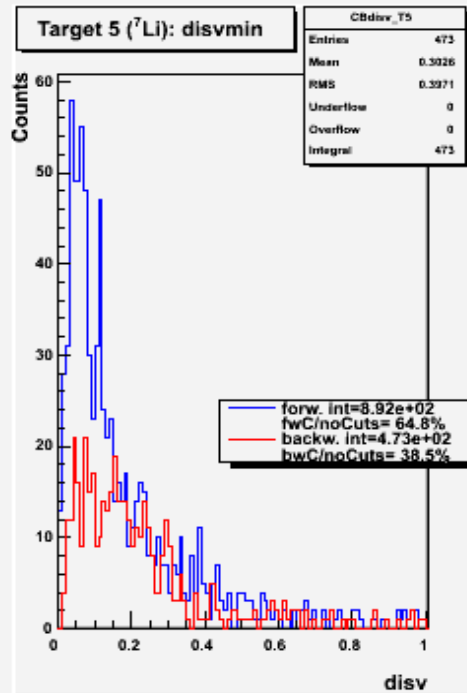
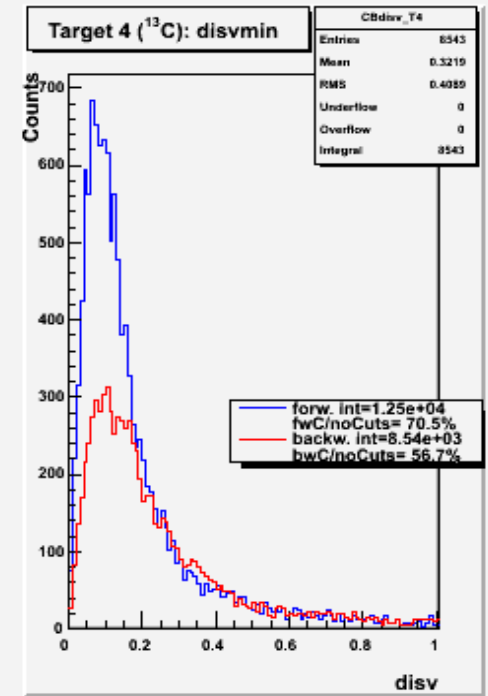
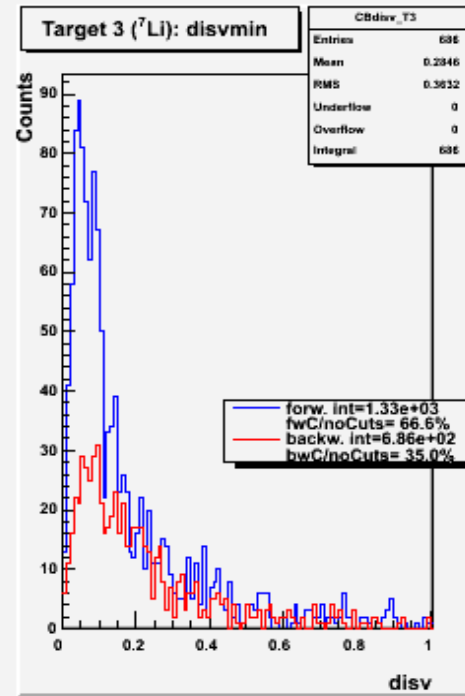
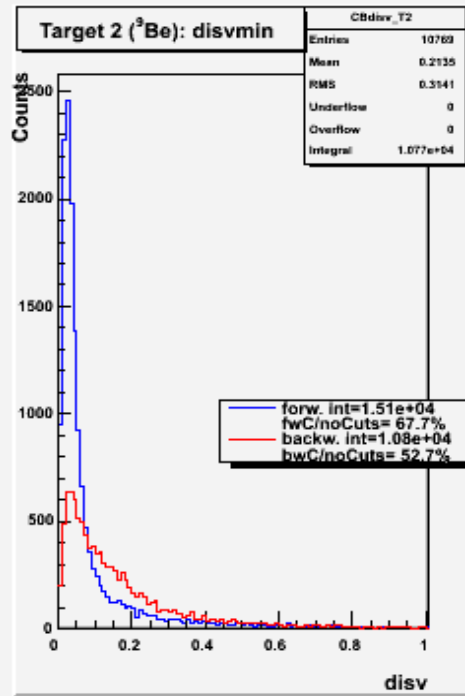
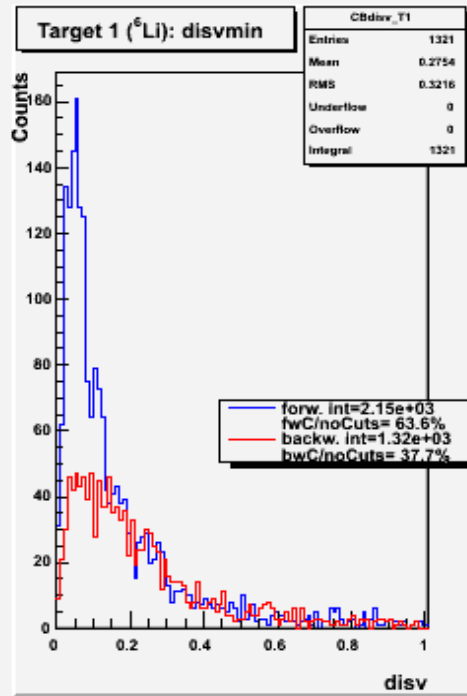
MC $K^-+np \rightarrow \Sigma^-+p$ dispmin (Loose Cuts)



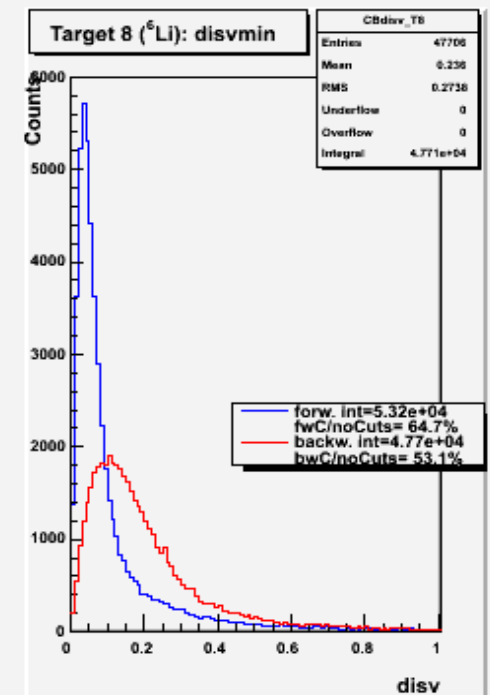
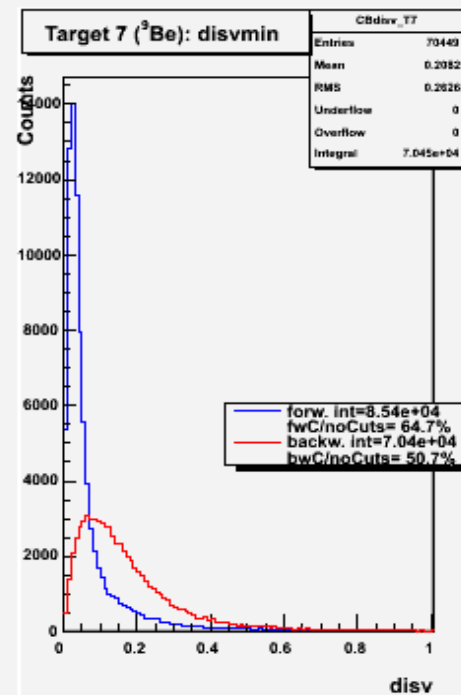
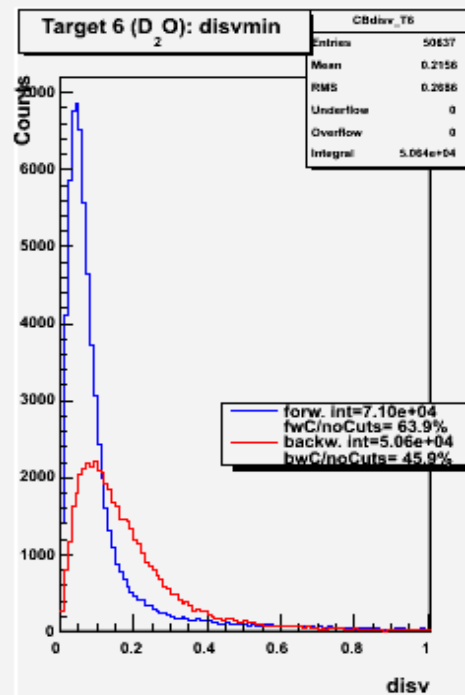
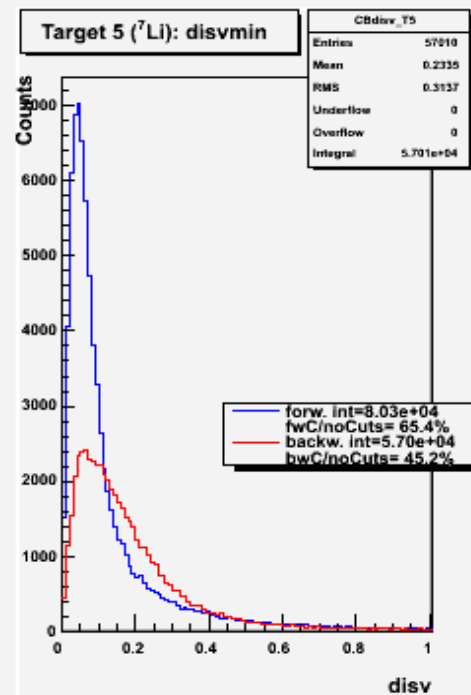
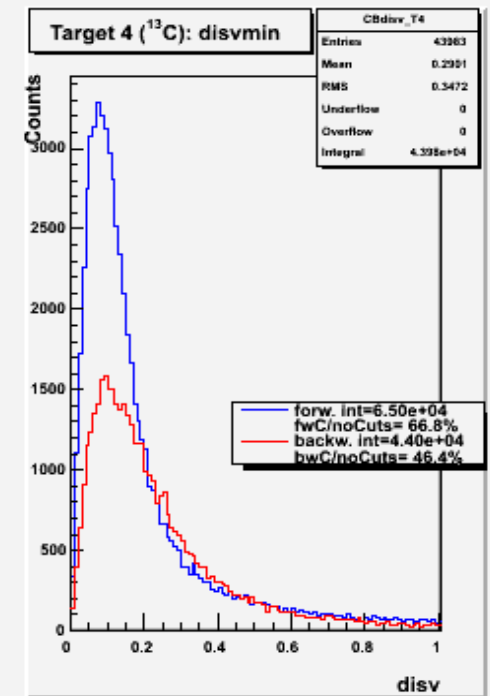
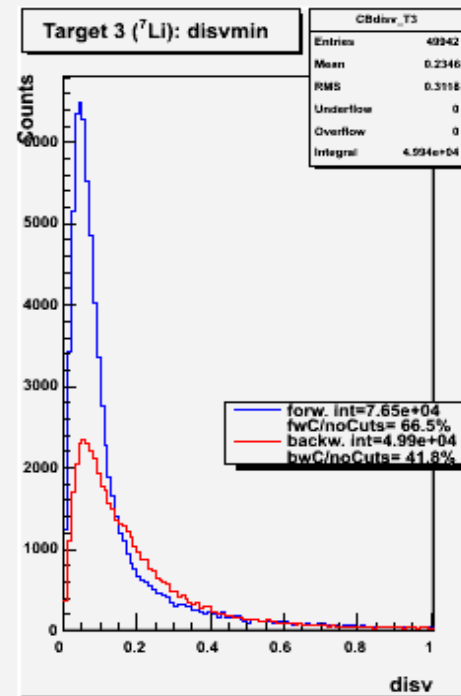
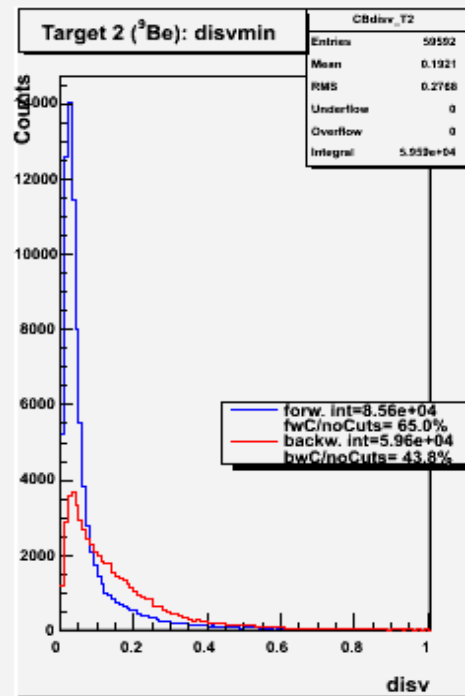
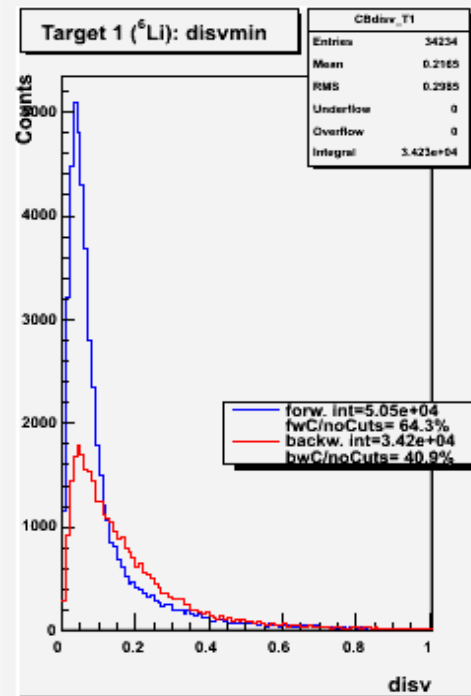
Data disvmin (Loose Cuts)



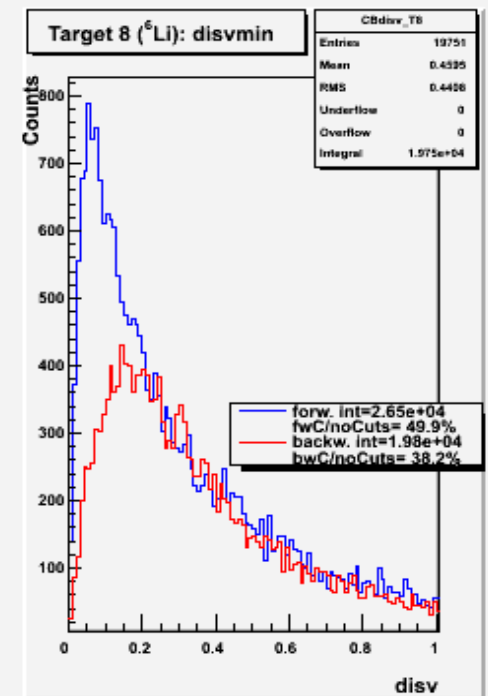
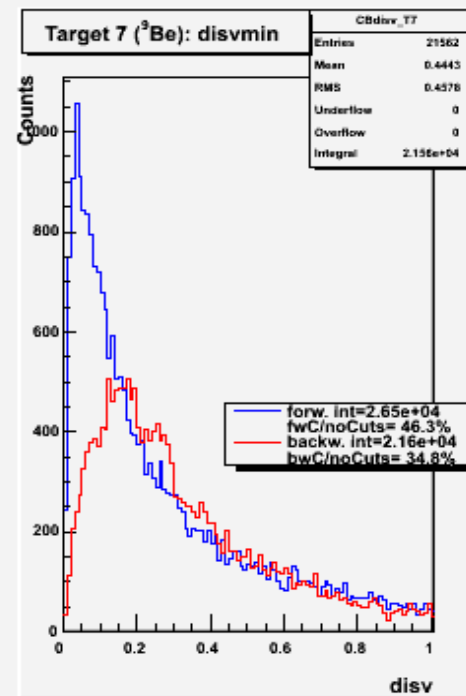
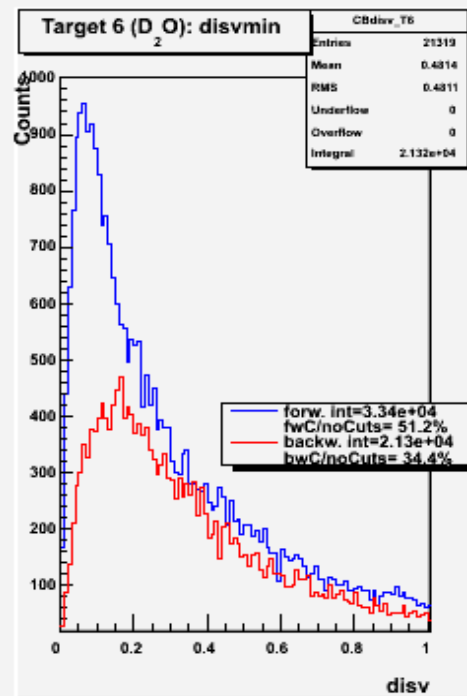
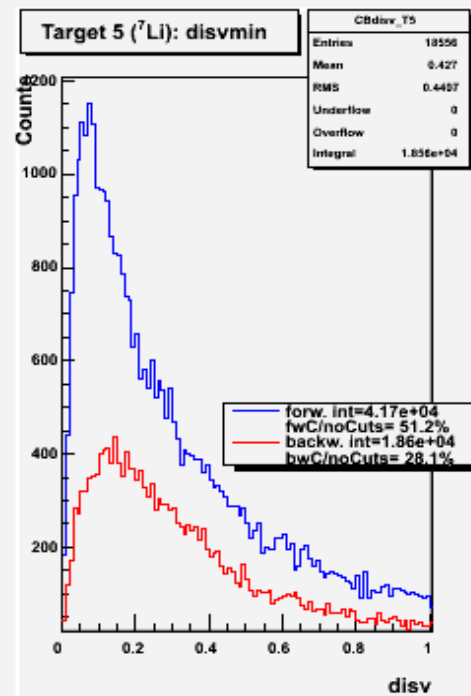
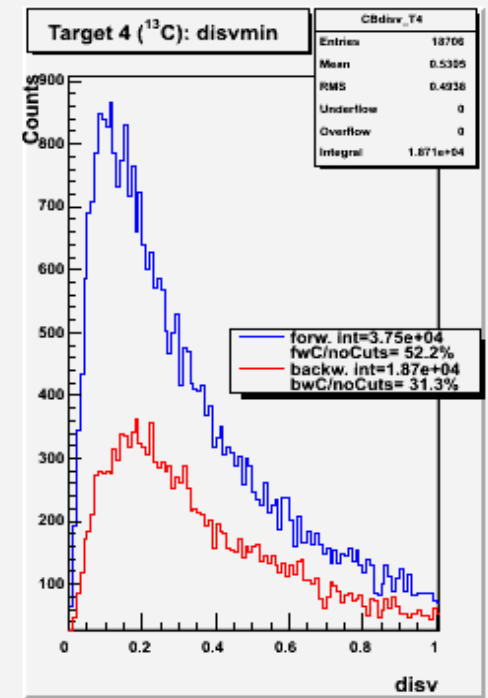
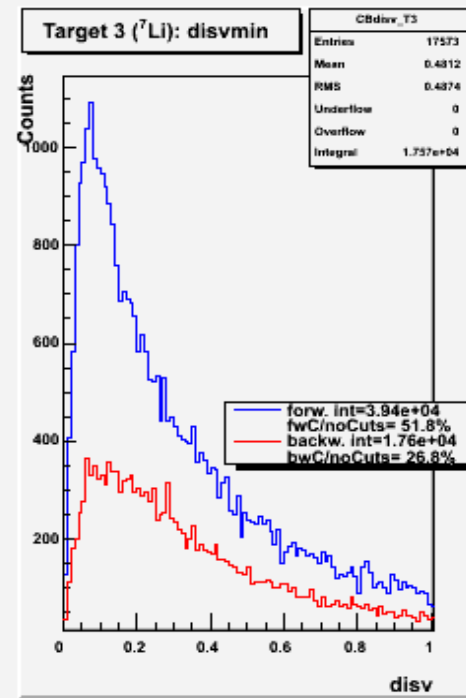
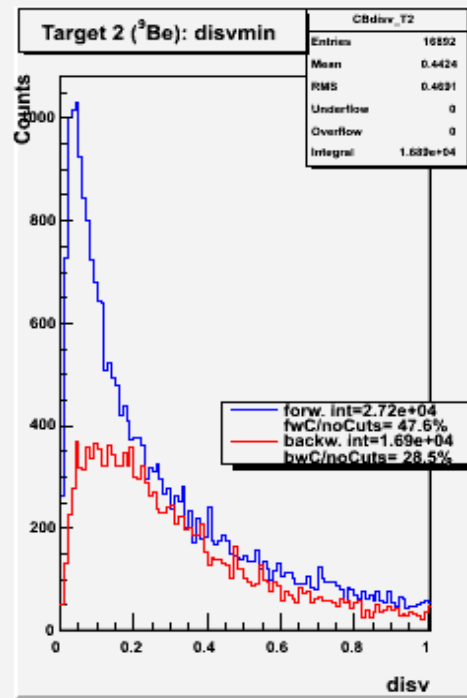
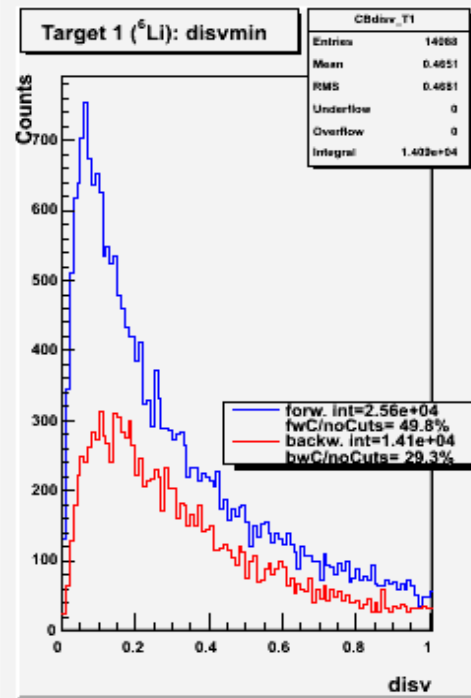
MC signal disvmin (Loose Cuts)



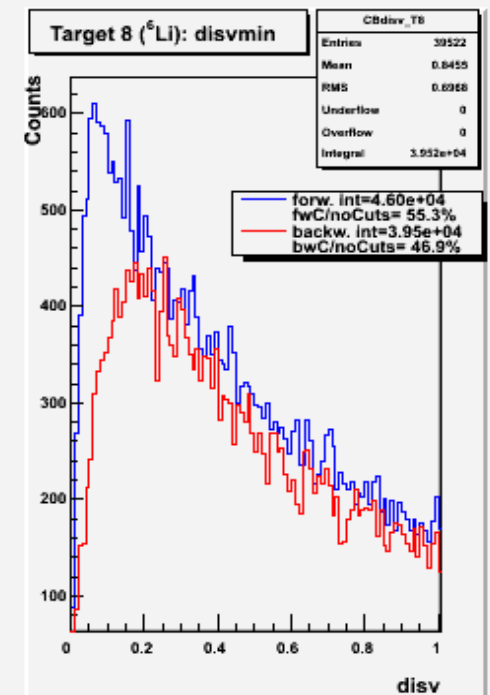
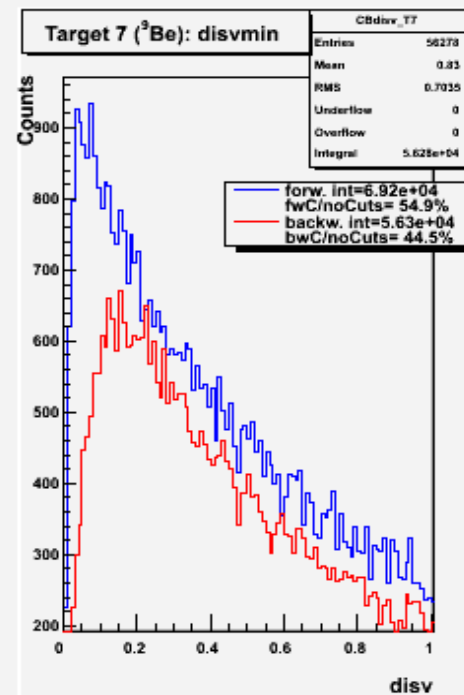
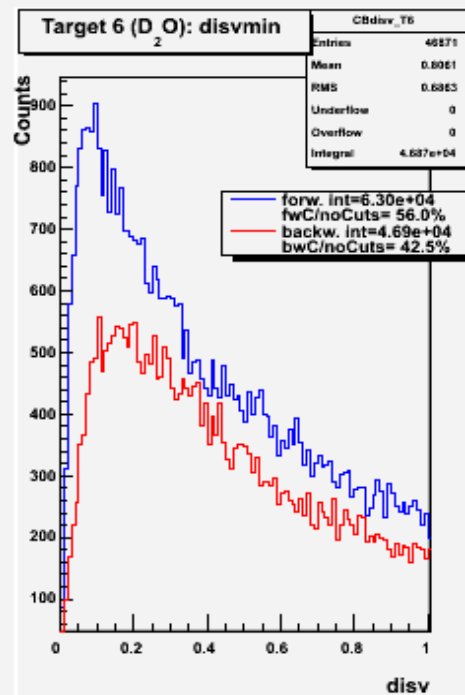
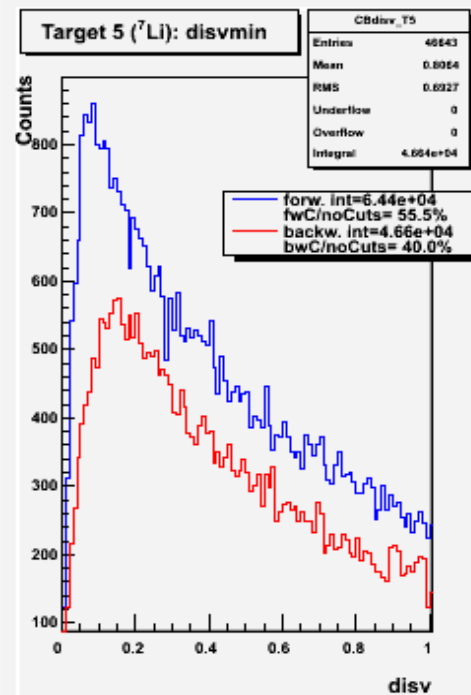
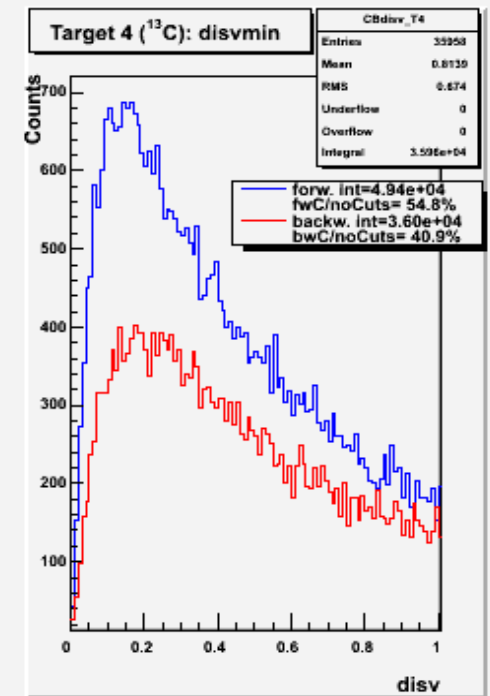
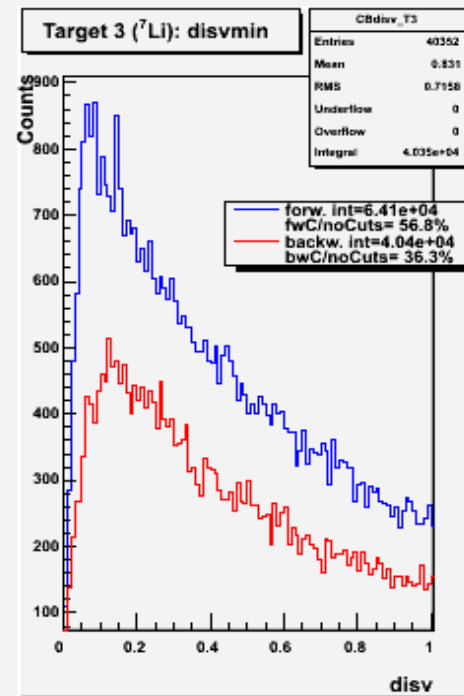
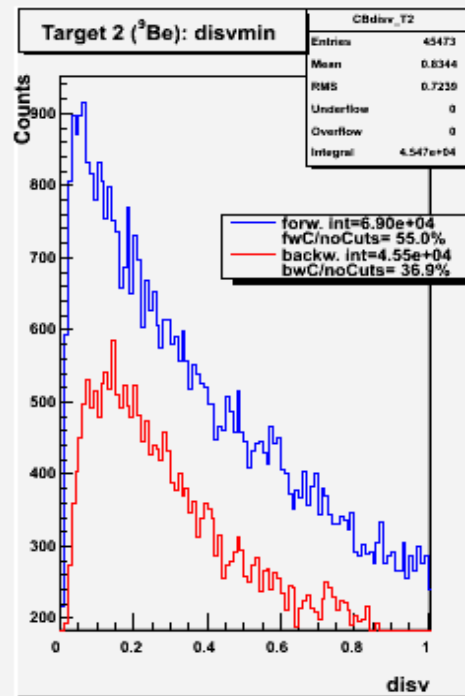
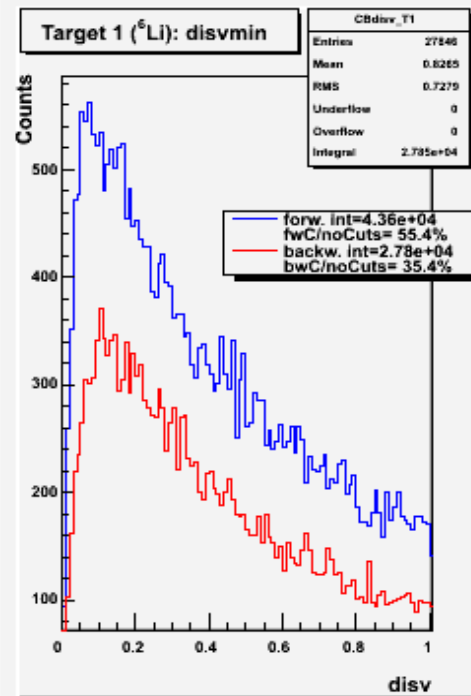
MC $K^-+n \rightarrow \Lambda+\pi^-$ disvmin (Loose Cuts)



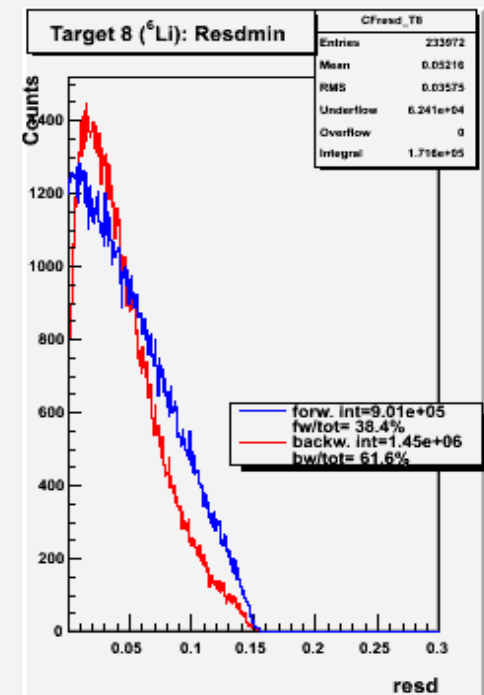
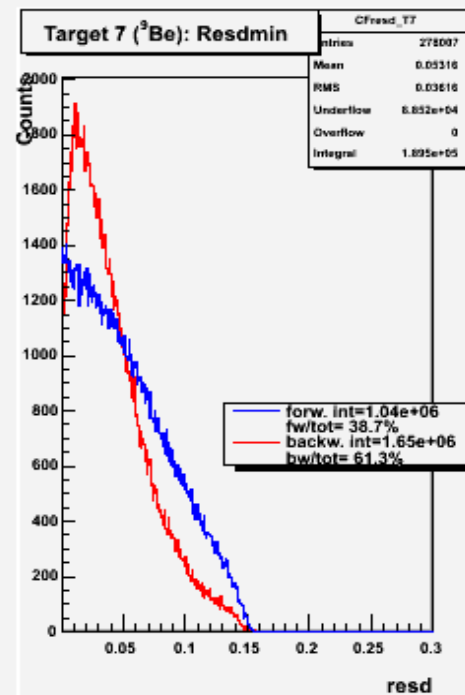
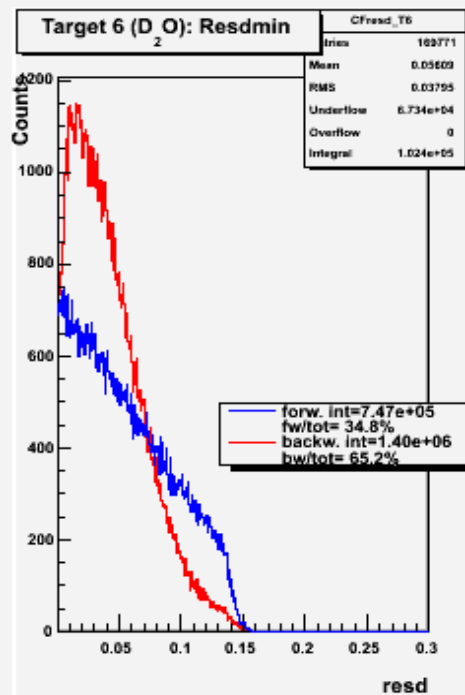
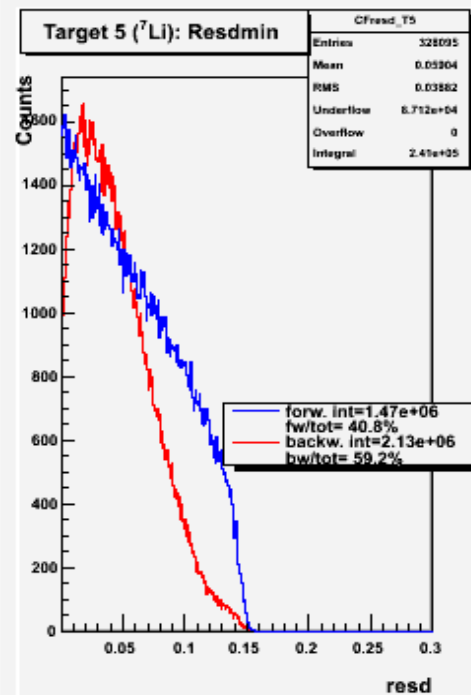
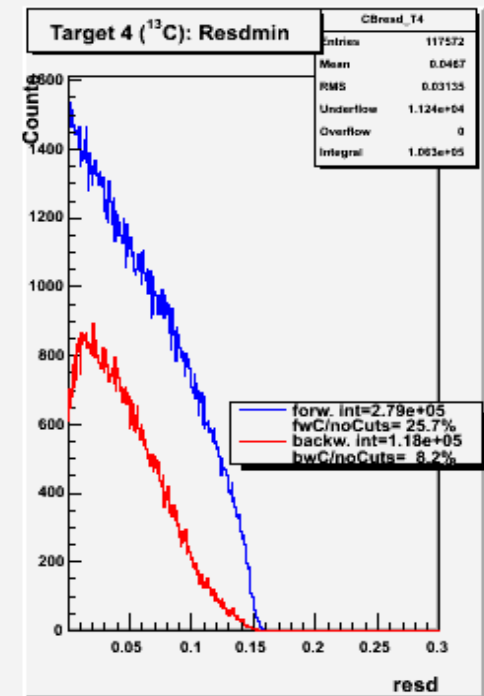
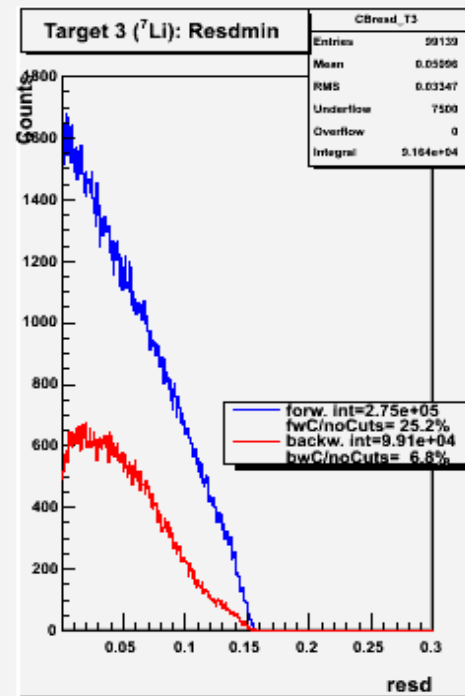
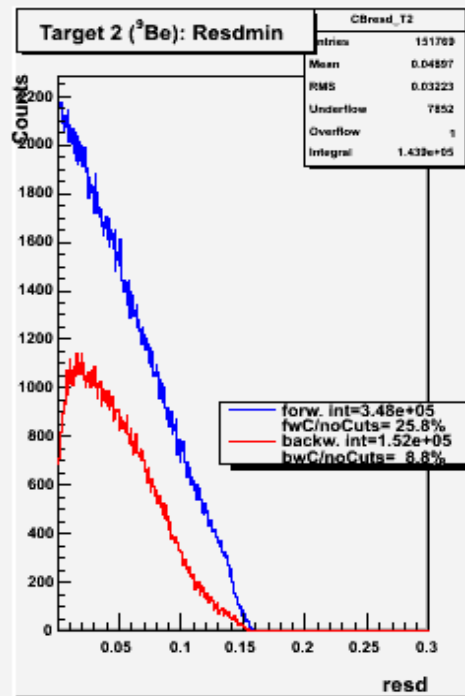
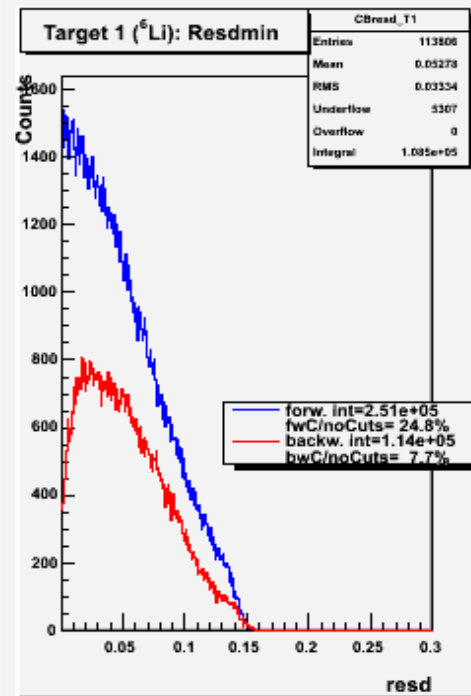
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ disvmin (Loose Cuts)



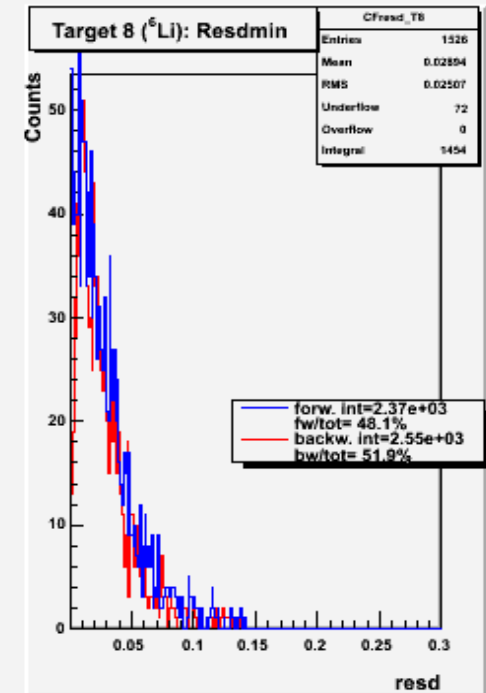
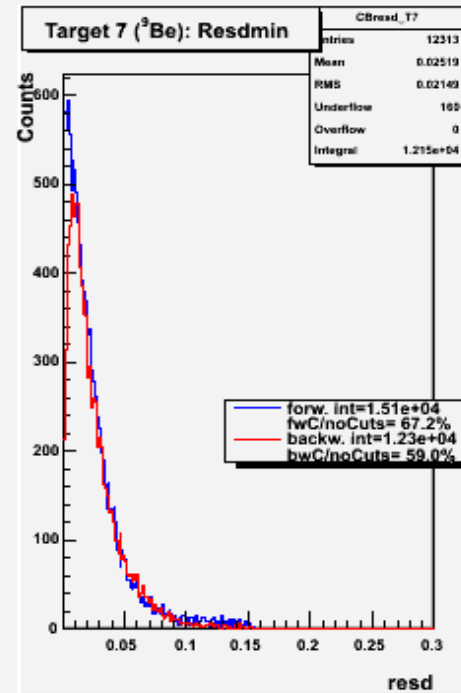
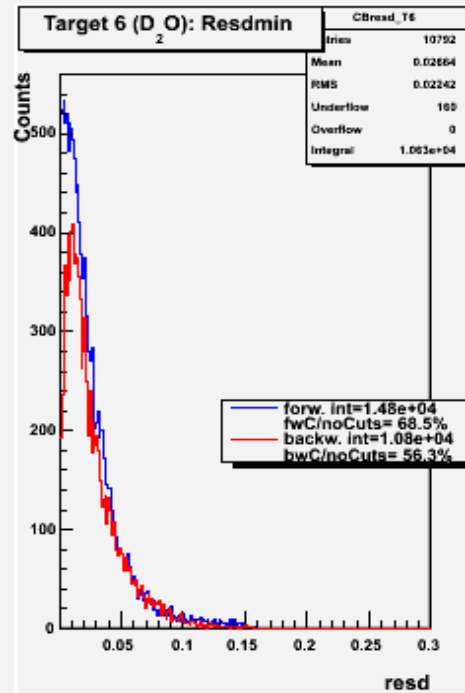
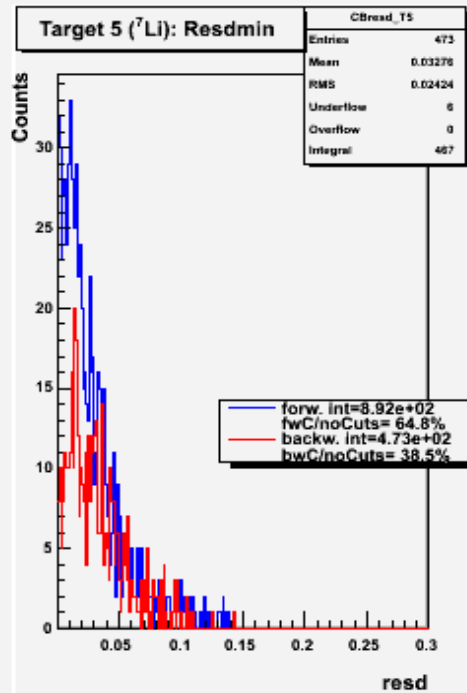
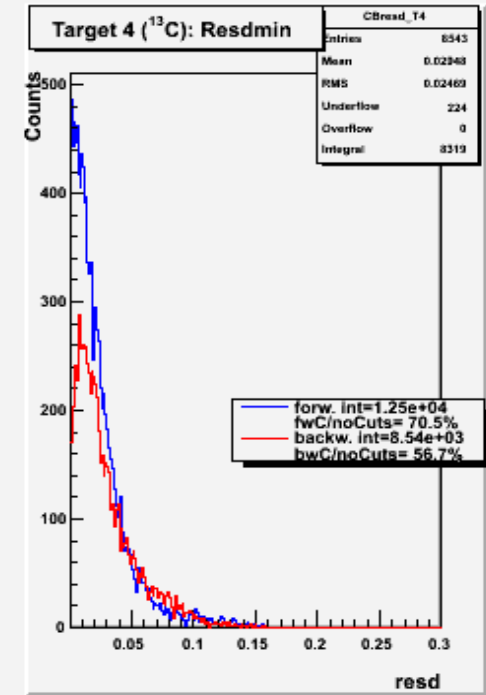
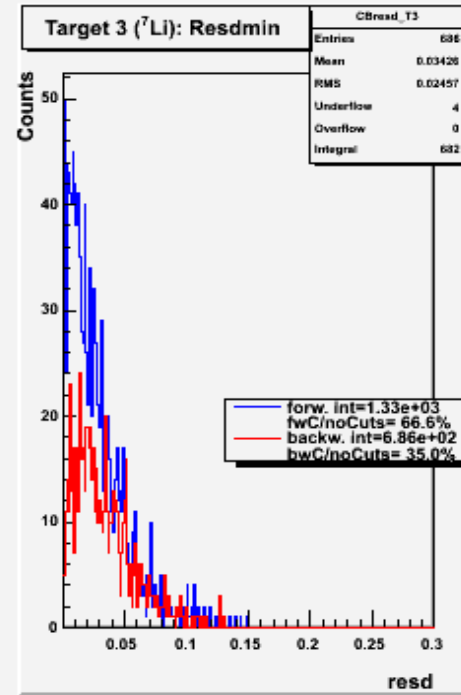
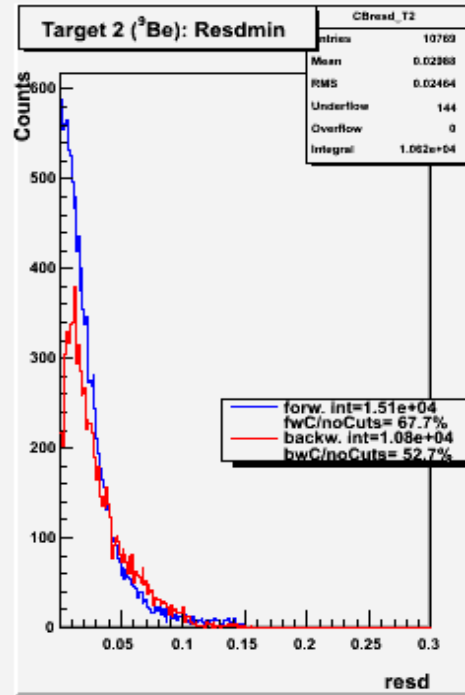
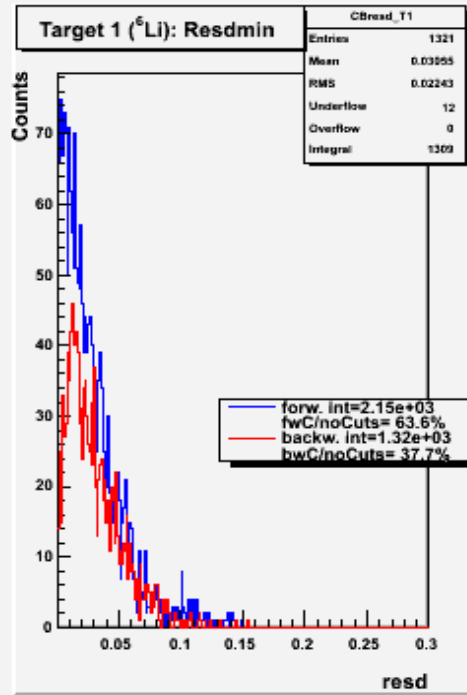
MC $K^-+np \rightarrow \Sigma^-+p$ disvmin



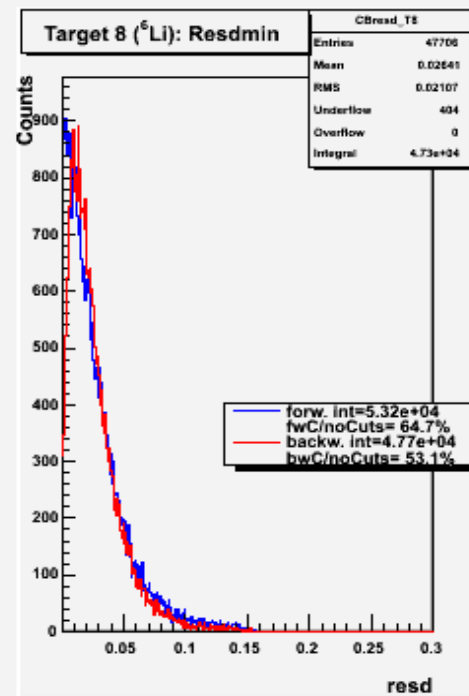
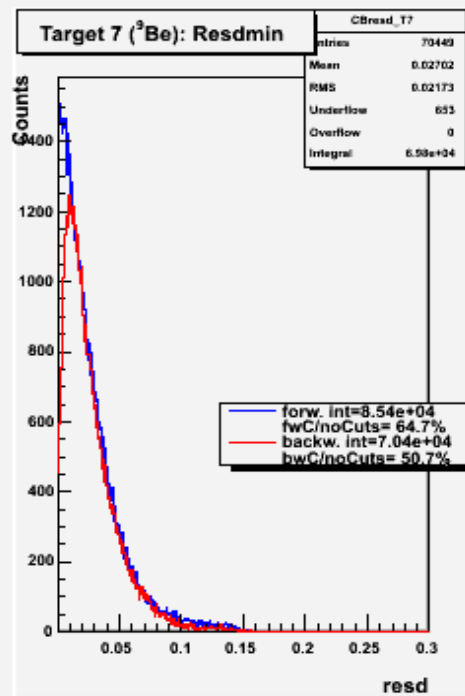
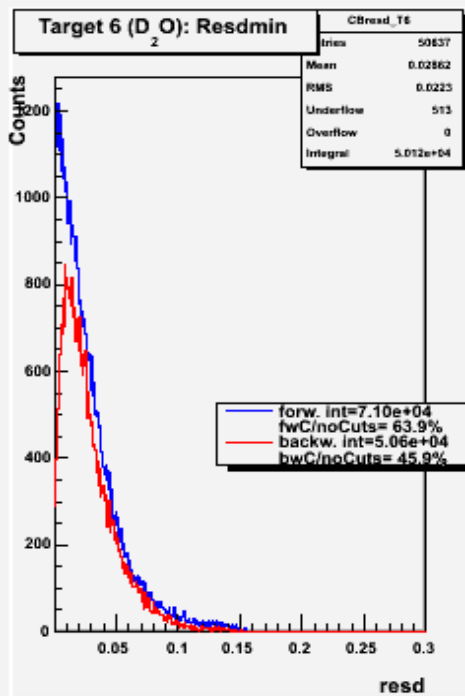
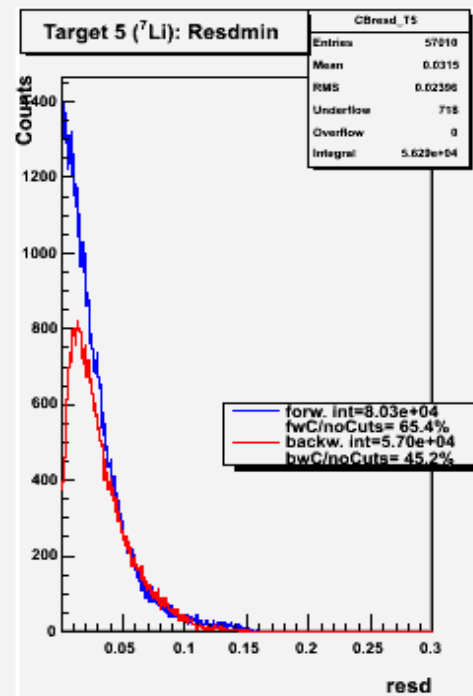
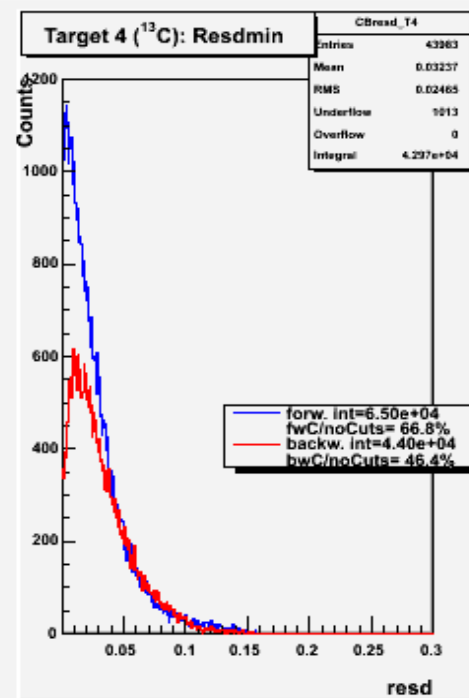
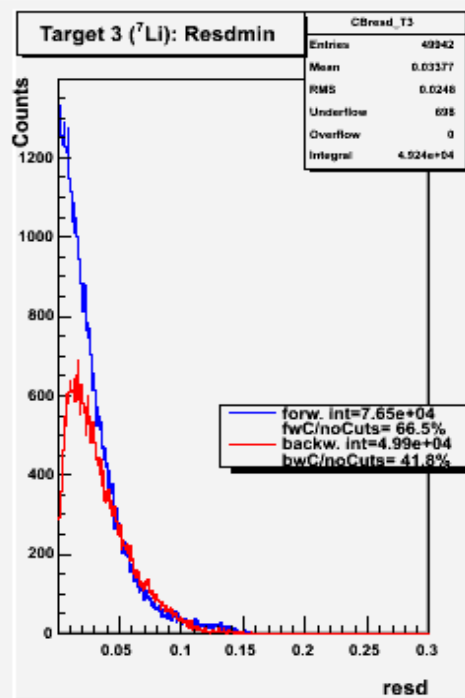
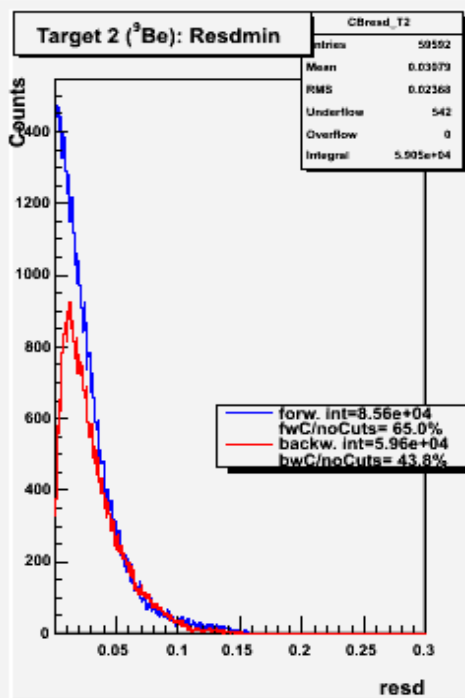
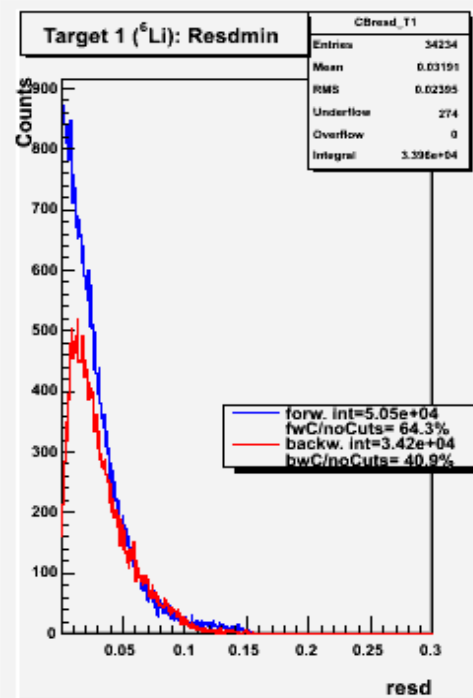
Data resdmin (Loose Cuts)



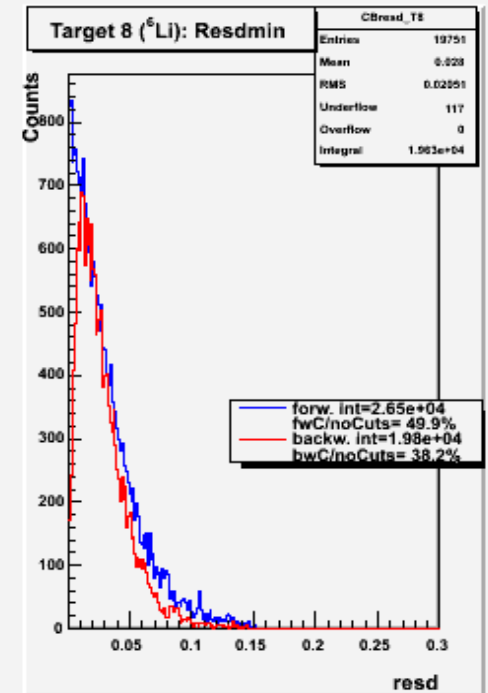
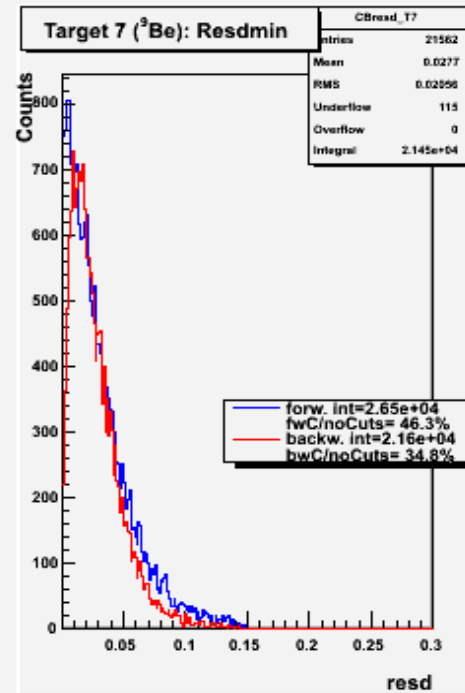
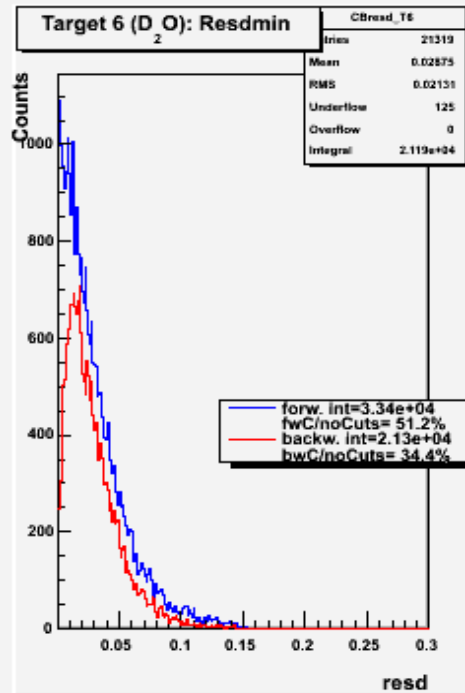
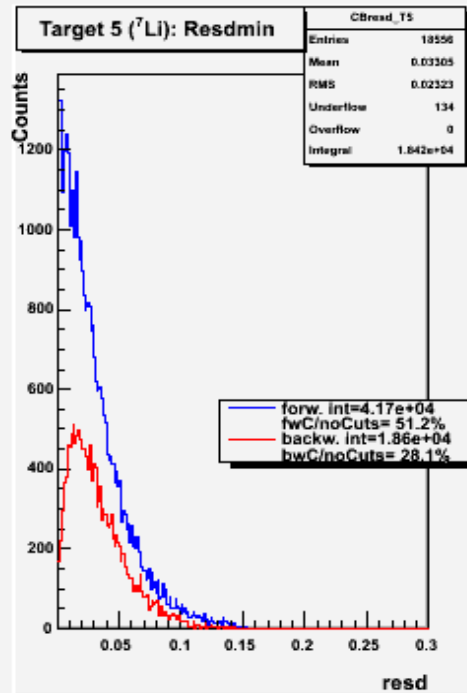
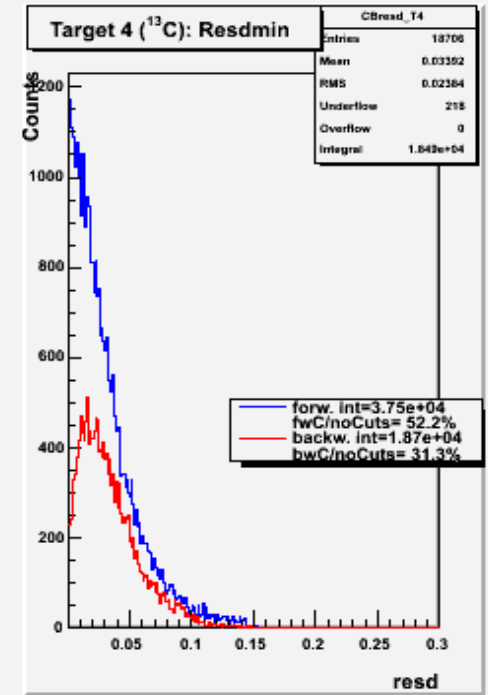
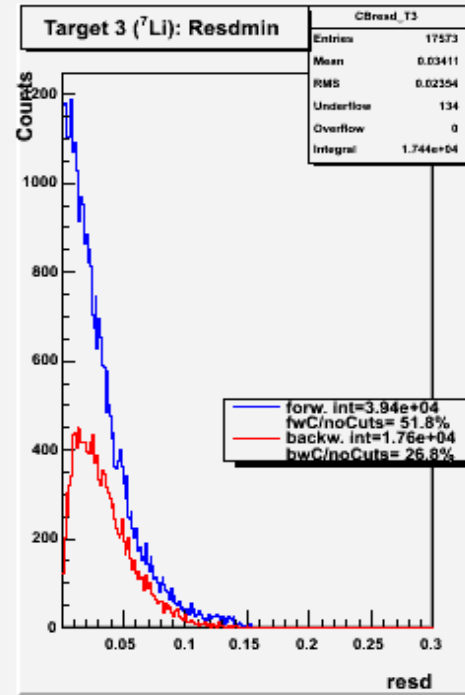
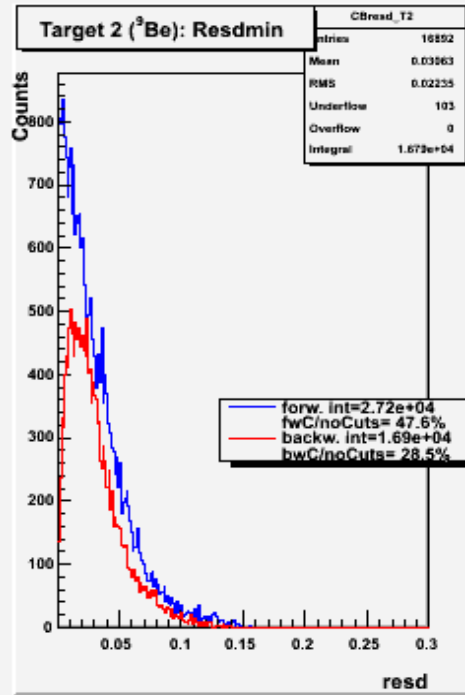
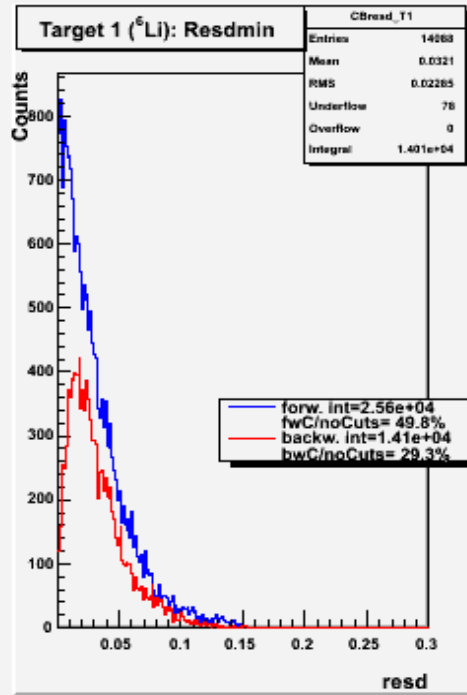
MC signal resdmin (Loose Cuts)



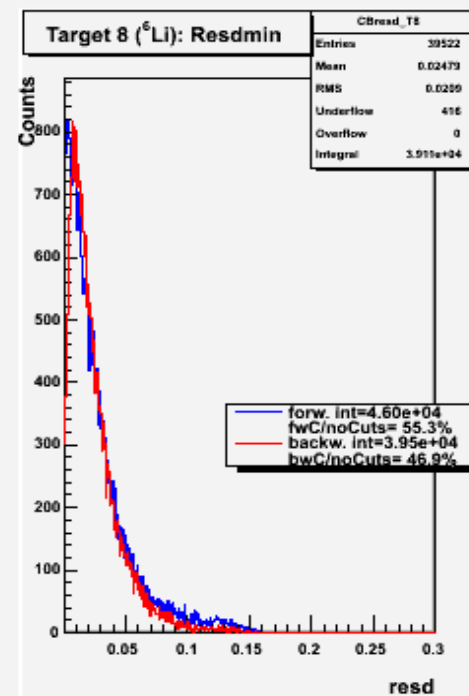
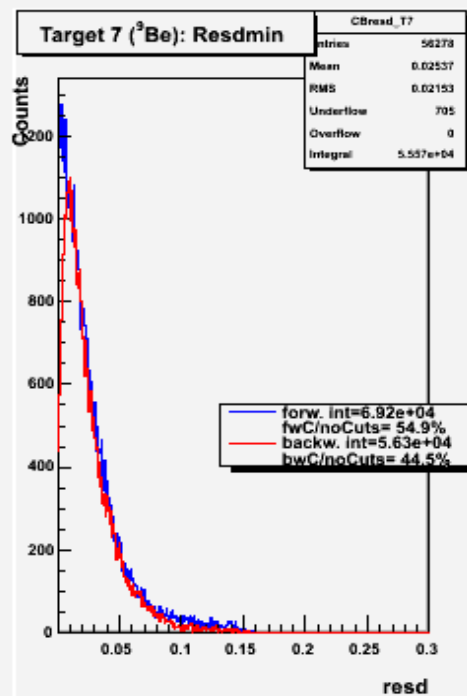
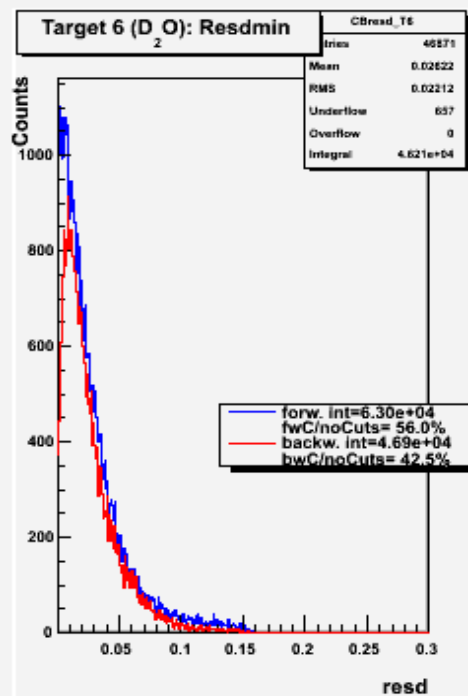
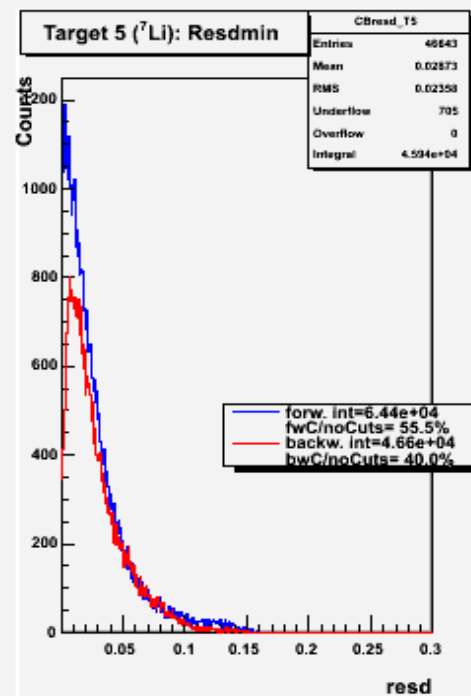
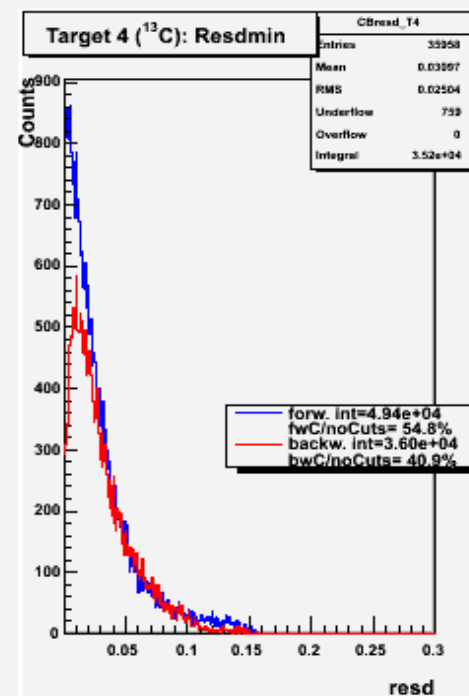
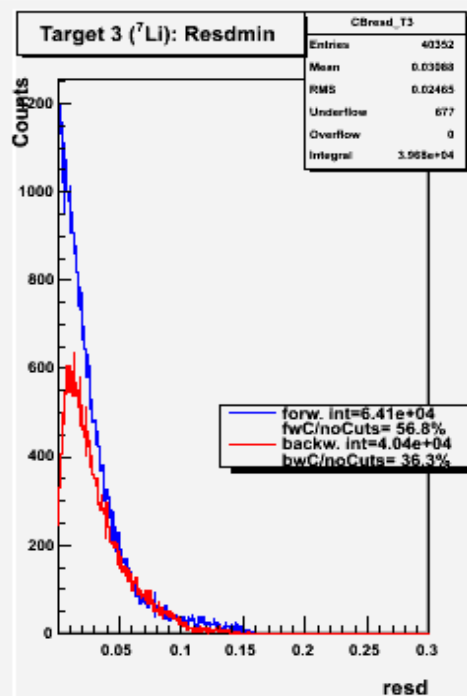
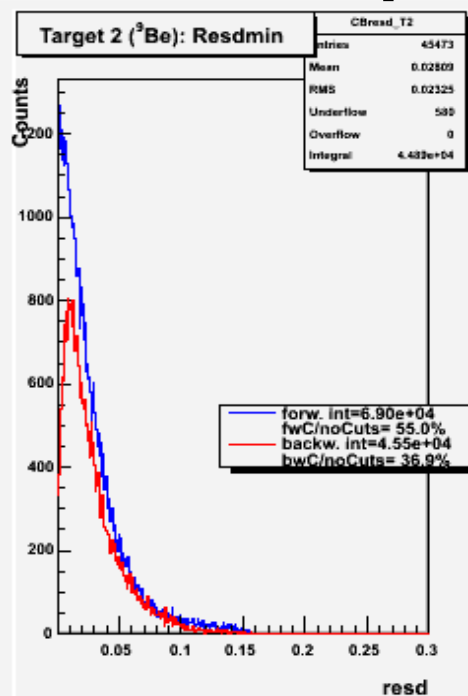
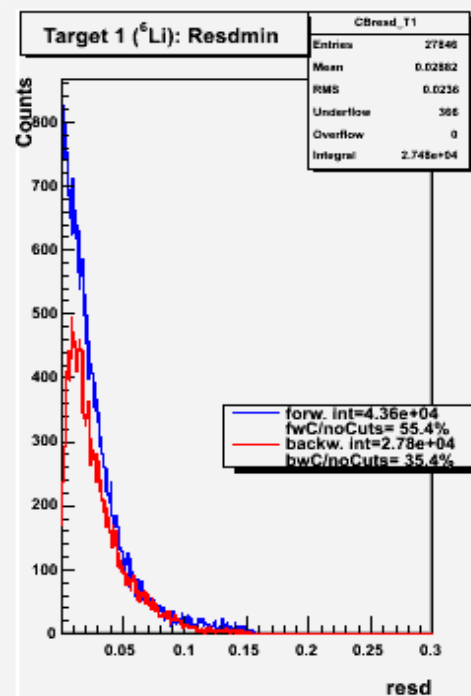
MC $K^- + n \rightarrow \Lambda + \pi^-$ resdmin (Loose Cuts)



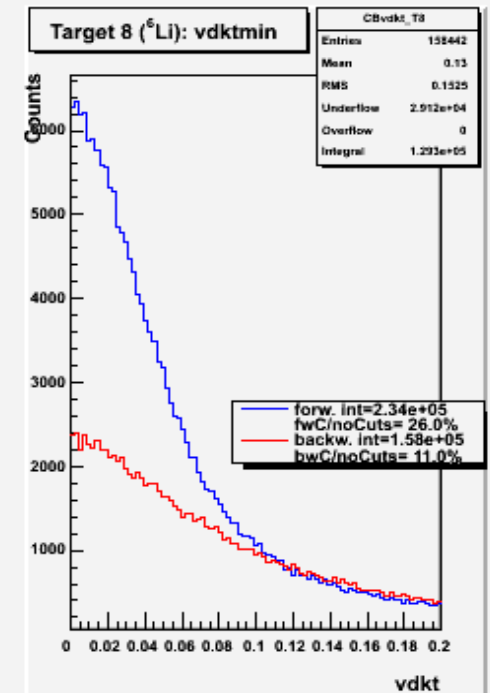
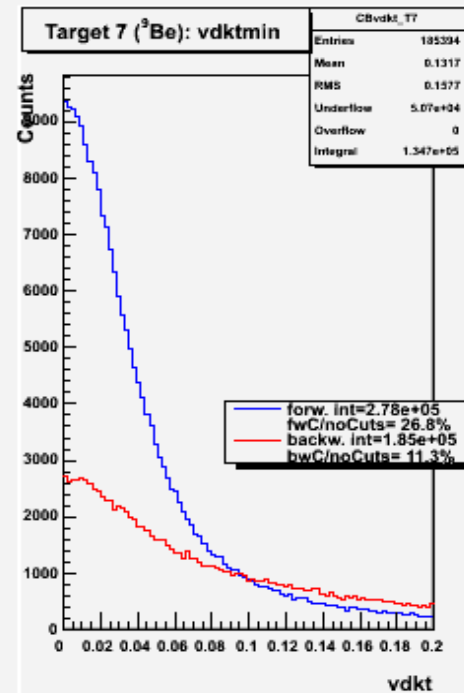
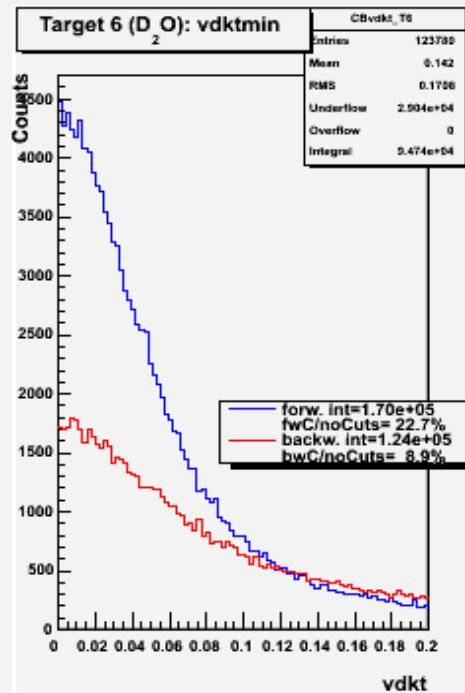
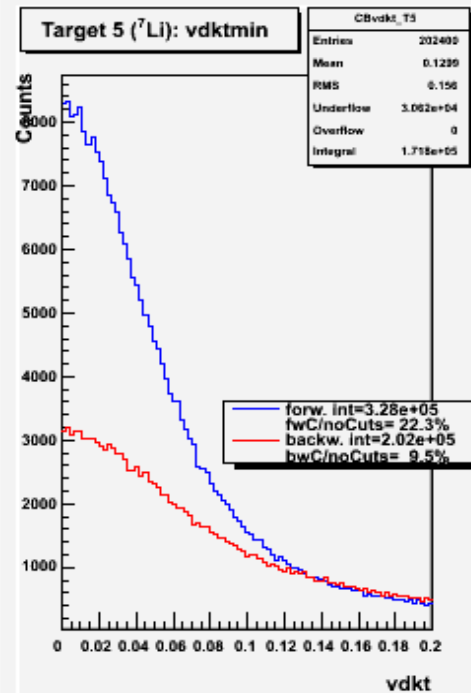
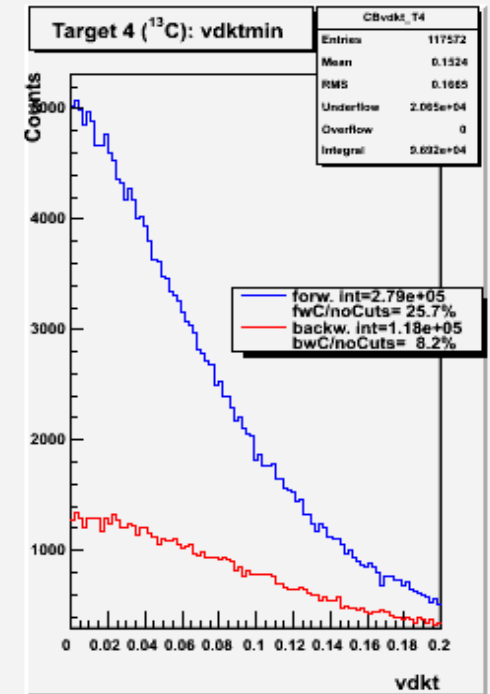
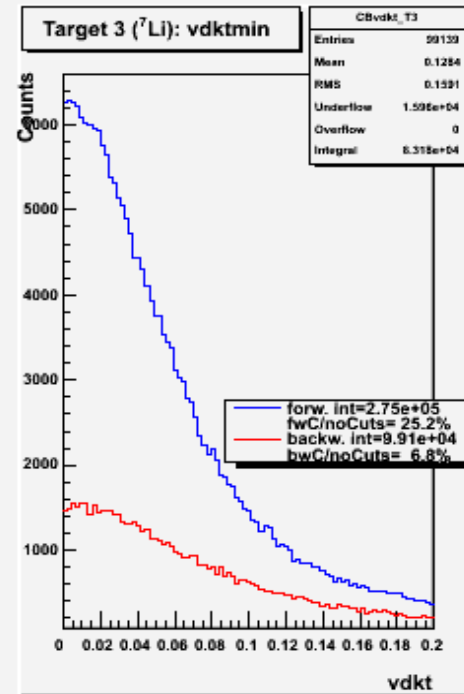
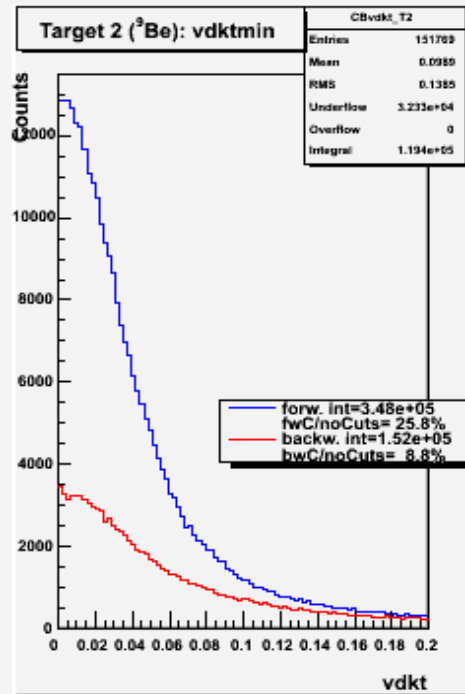
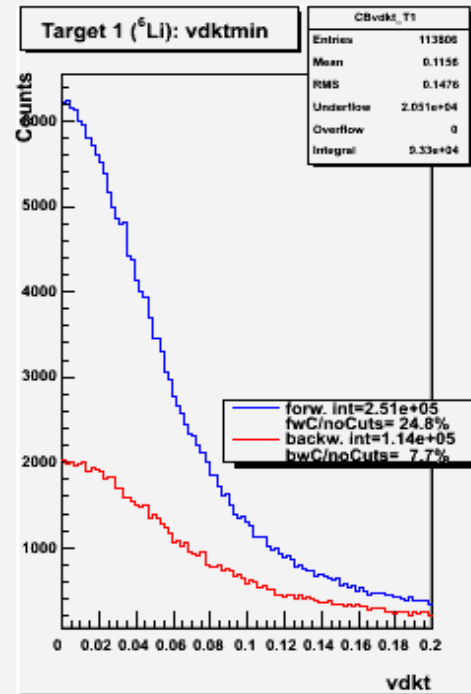
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ resdmin (Loose Cuts)



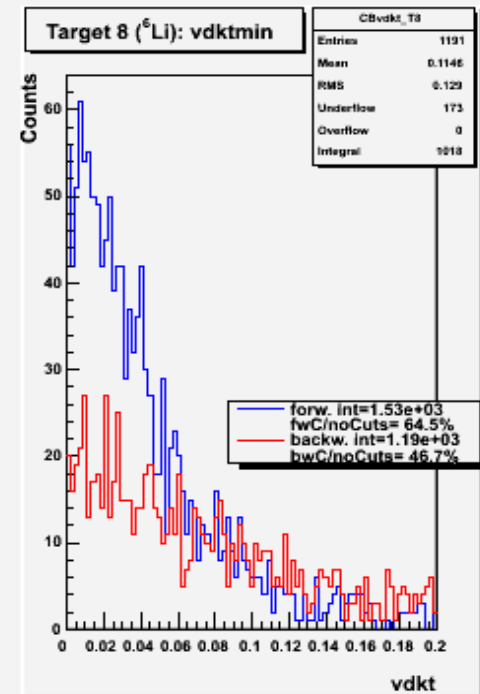
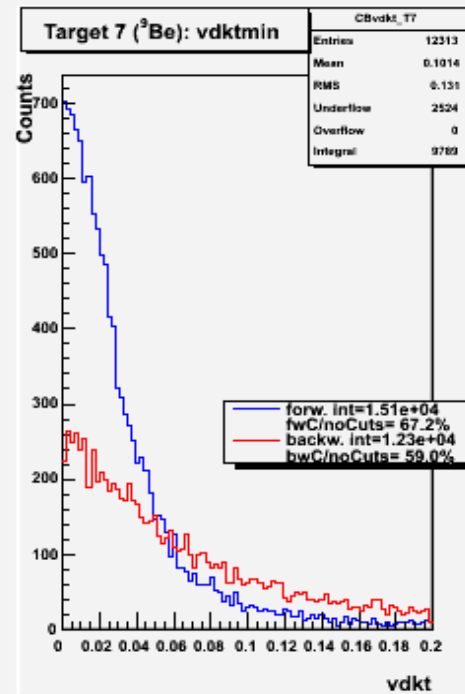
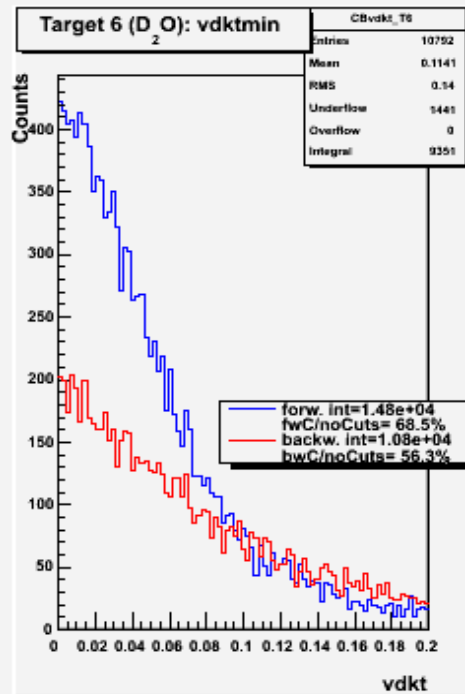
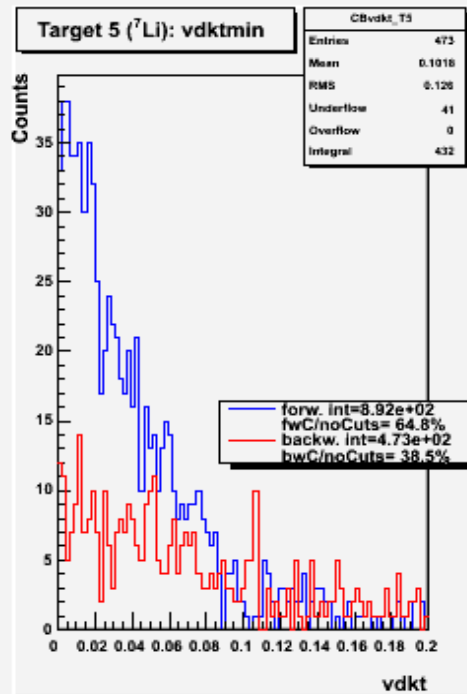
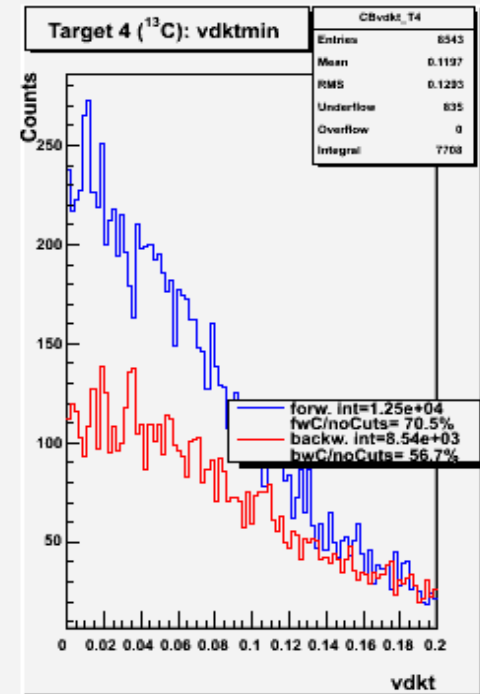
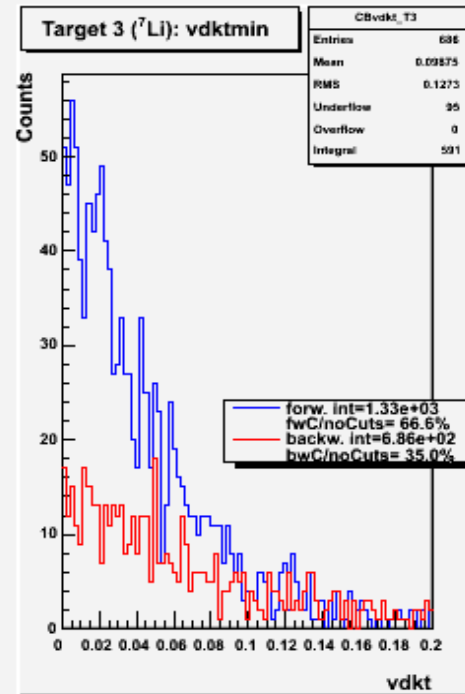
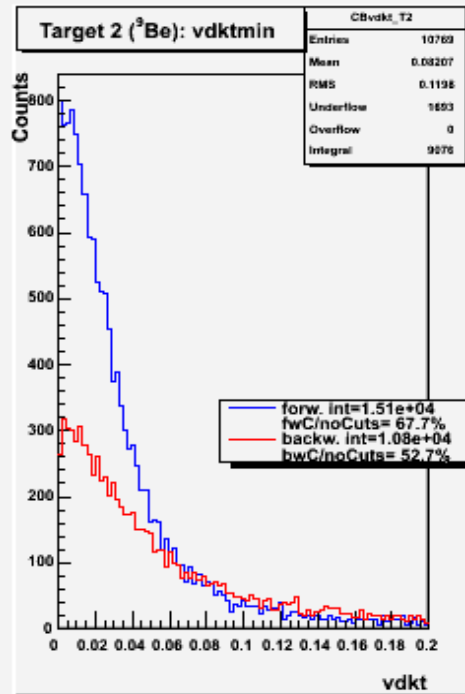
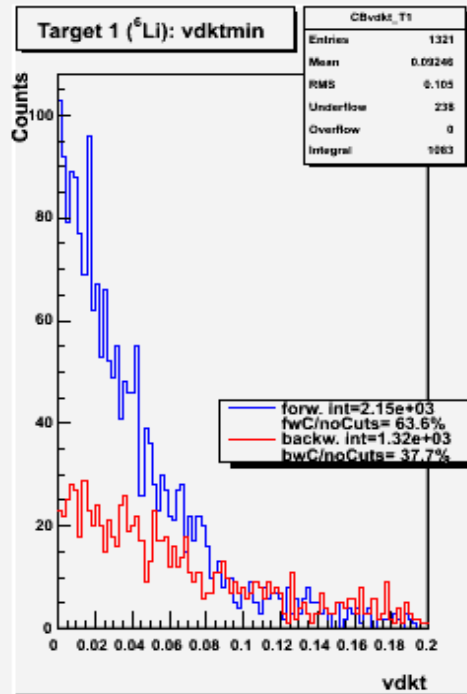
MC $K^-+np \rightarrow \Sigma^-+p$ resdmin (Loose Cuts)



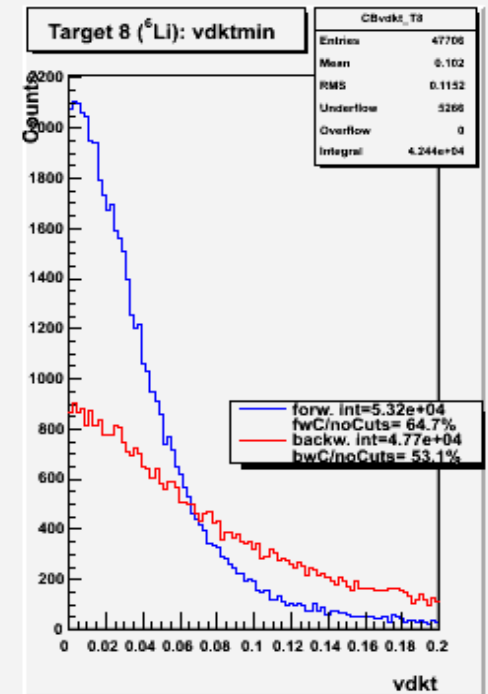
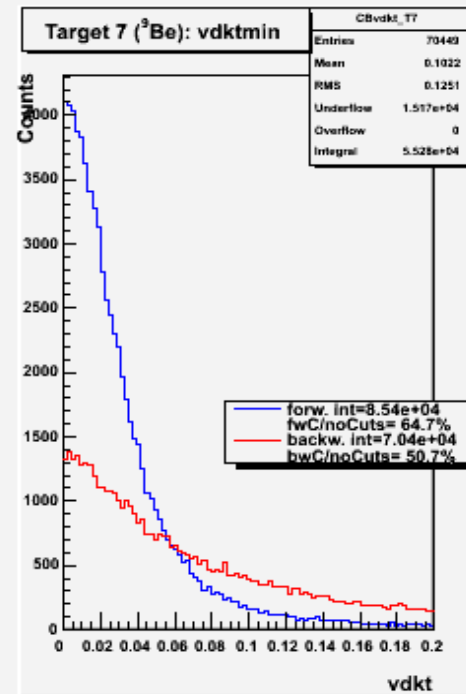
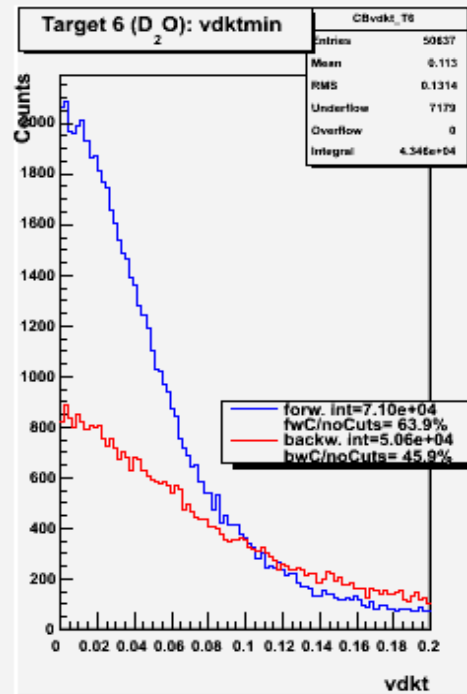
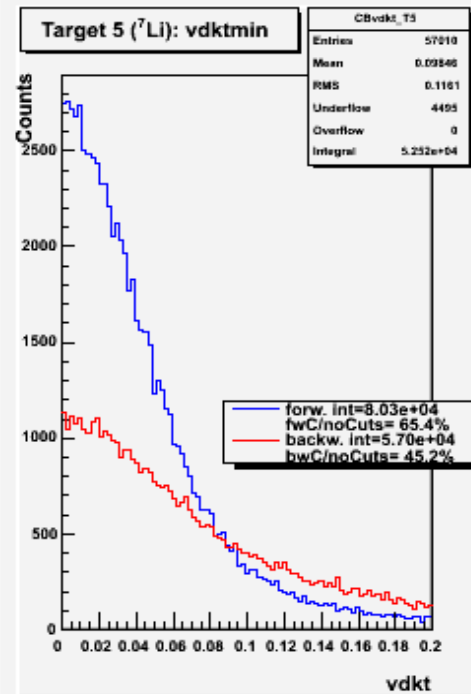
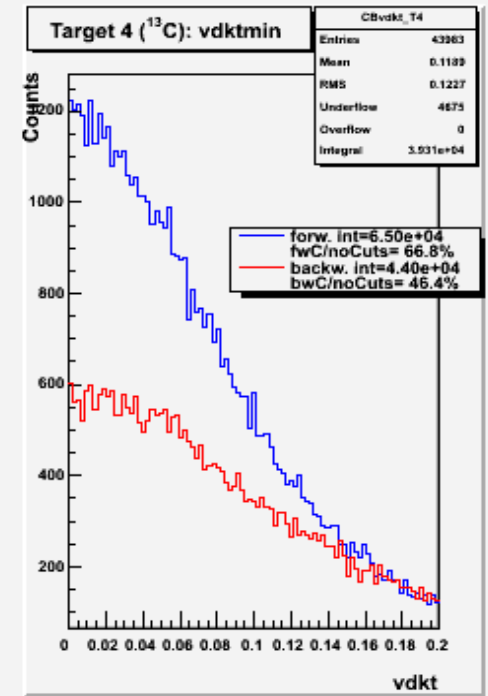
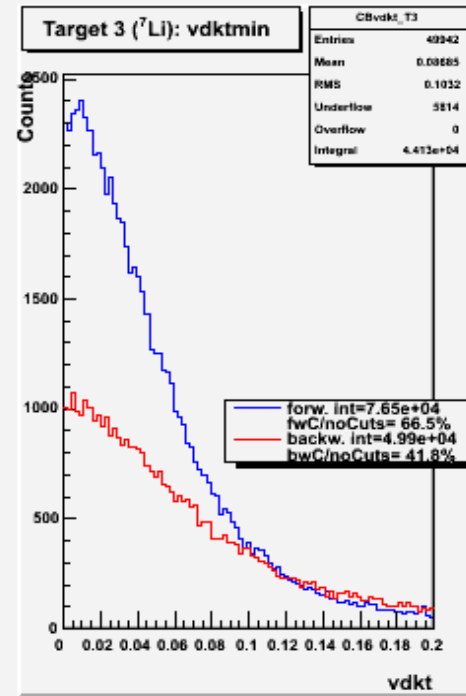
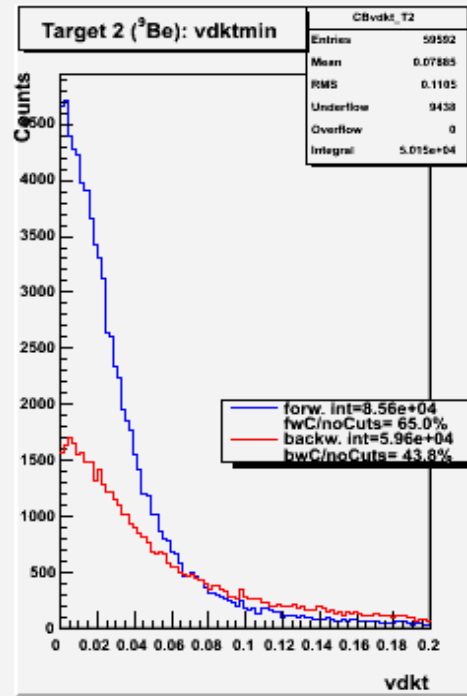
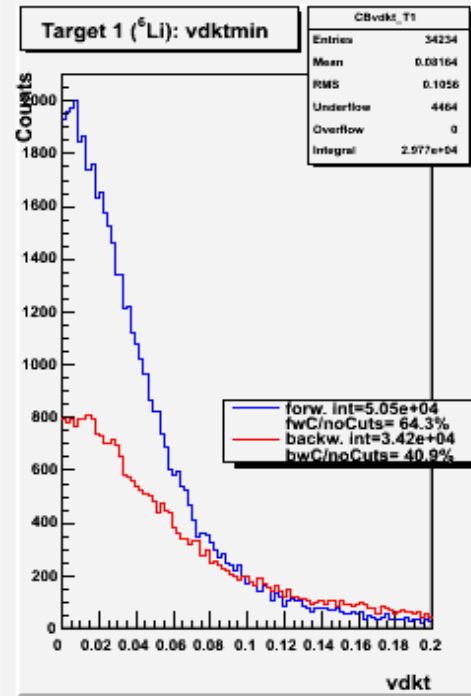
Data vdktdmin (Loose Cuts)



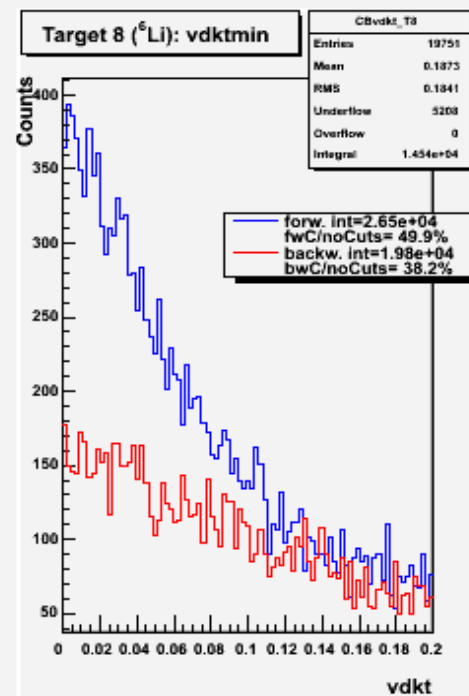
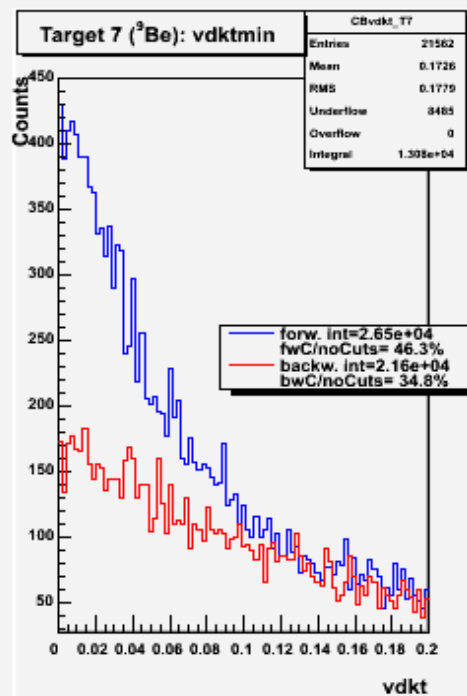
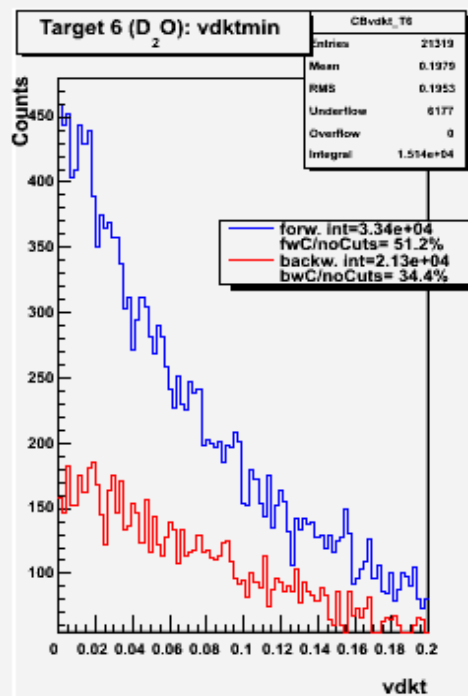
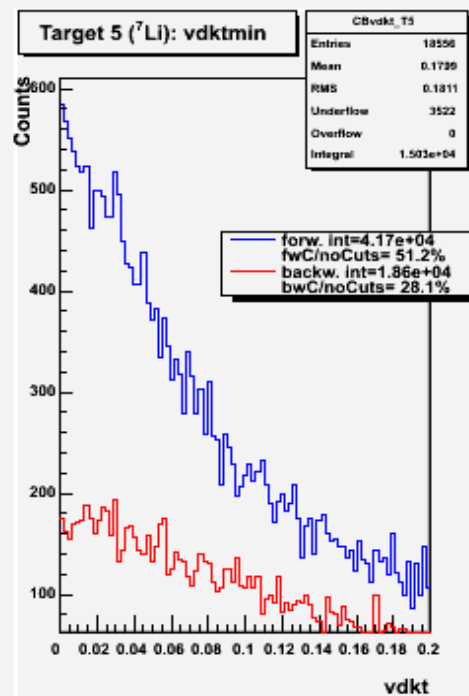
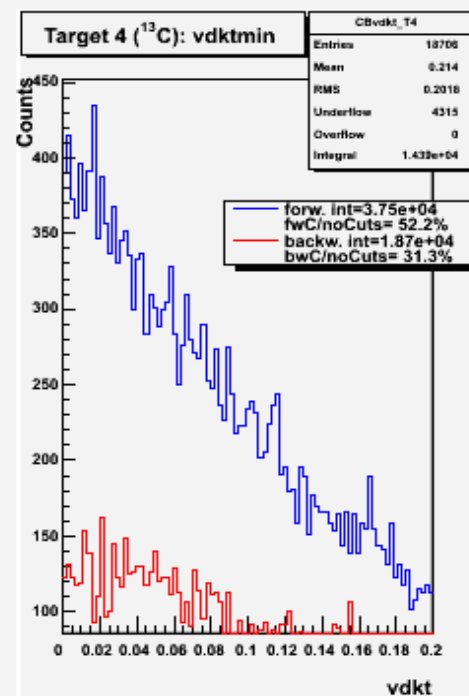
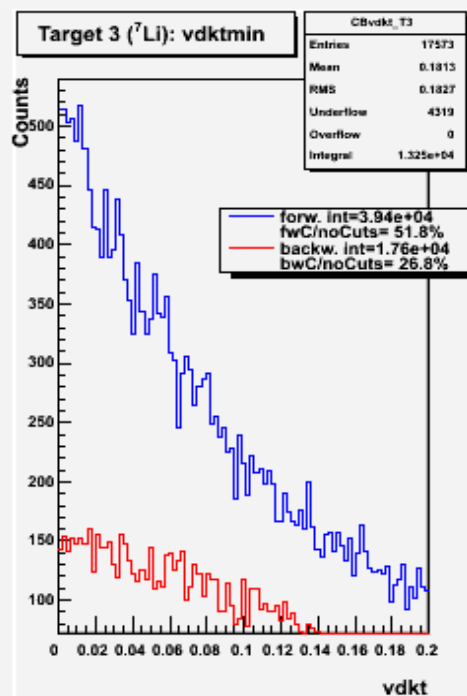
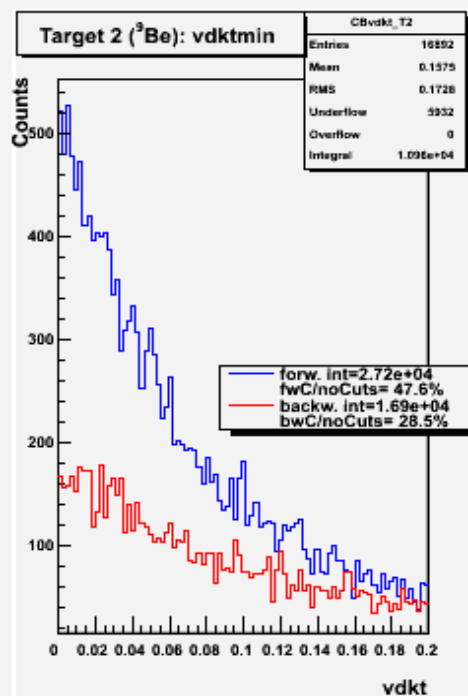
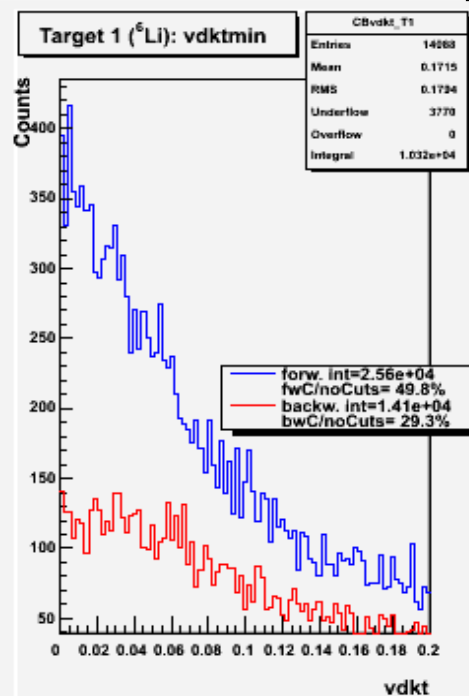
MC signal vdktdmin (Loose Cuts)



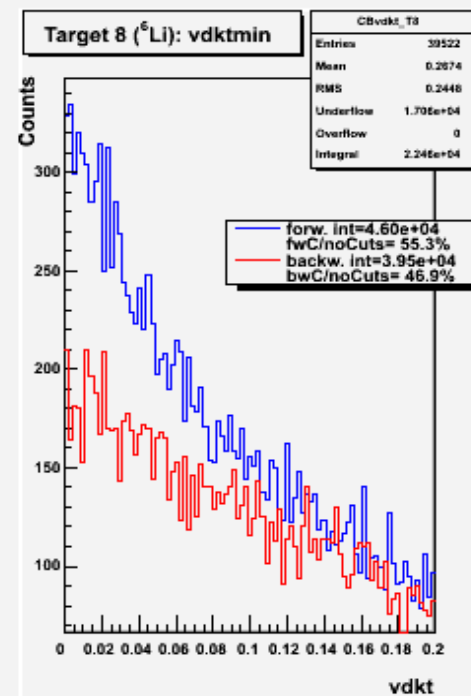
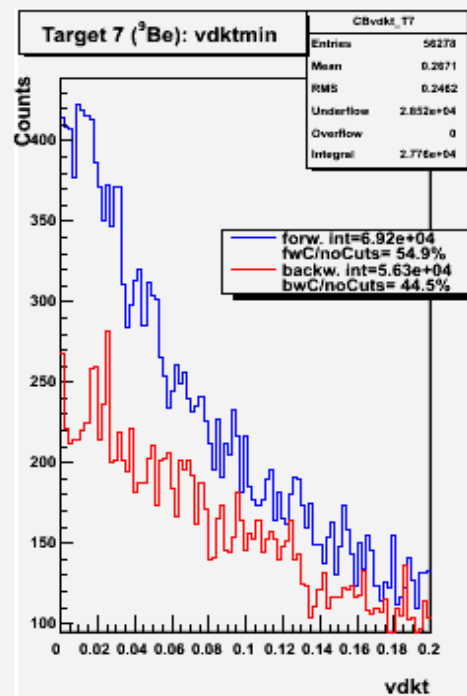
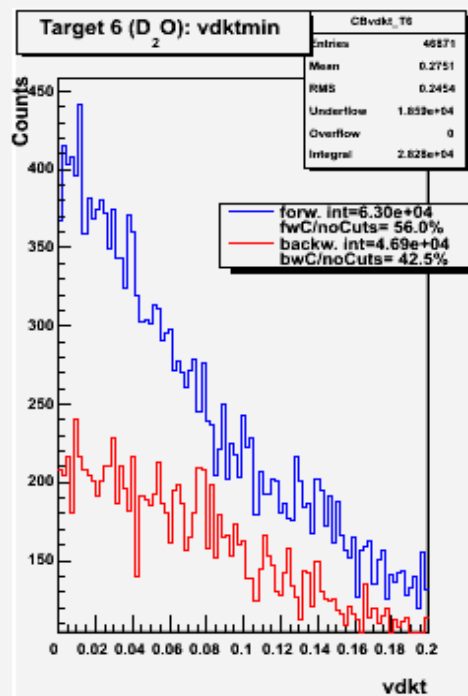
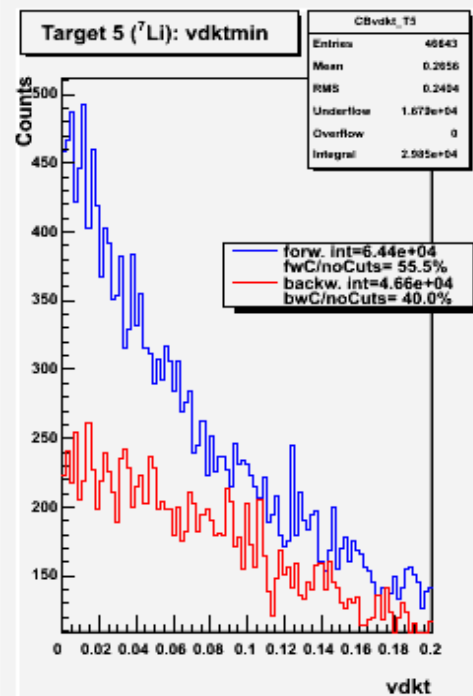
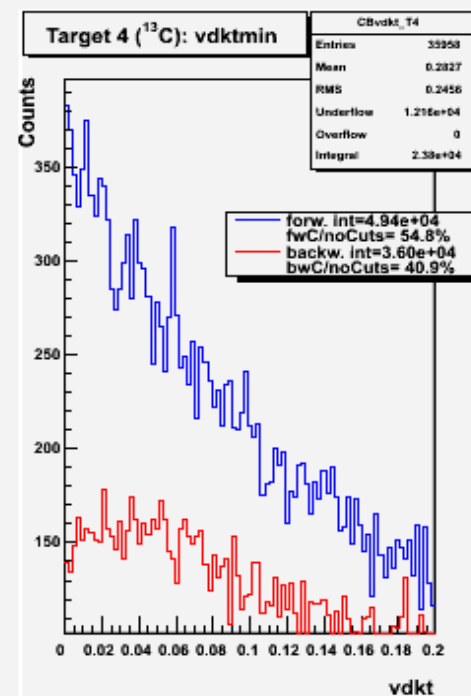
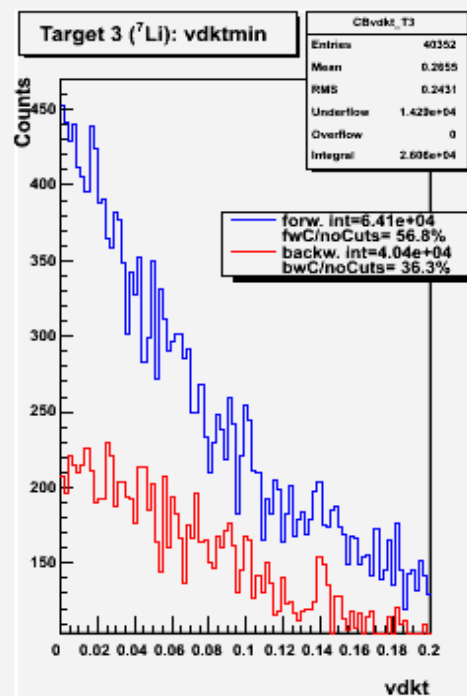
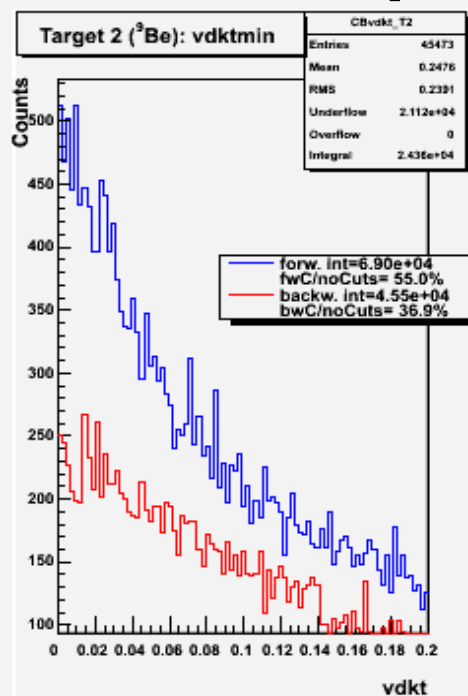
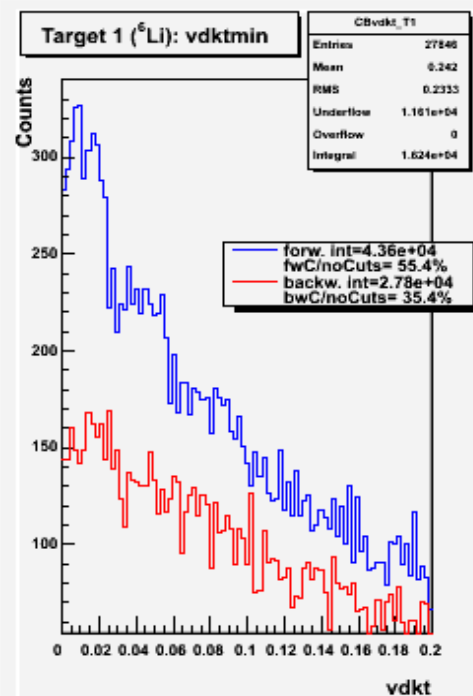
MC $K^- + n \rightarrow \Lambda + \pi^-$ vdktmin (Loose Cuts)



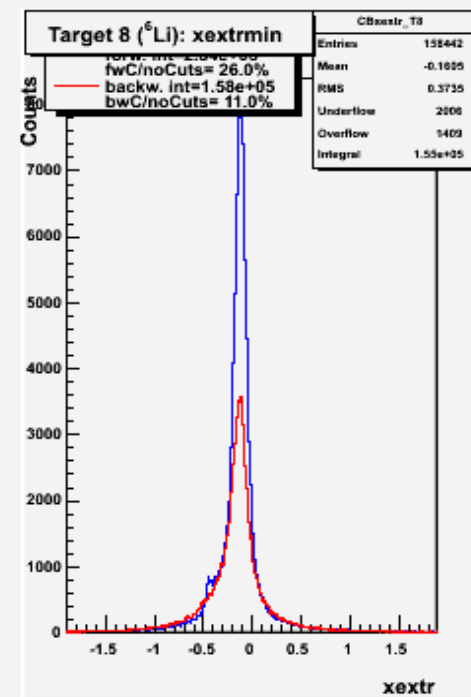
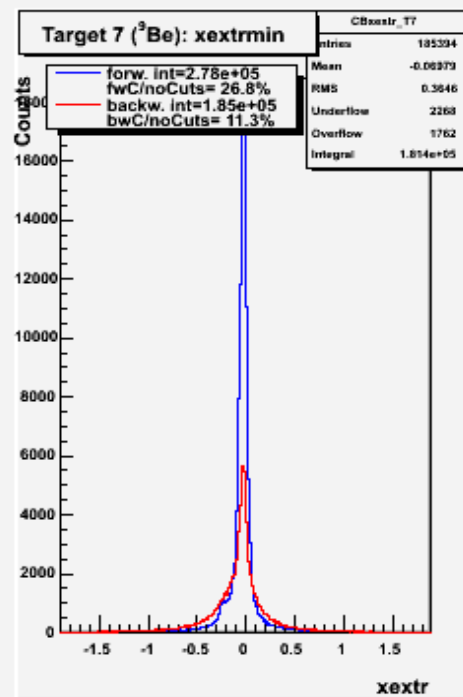
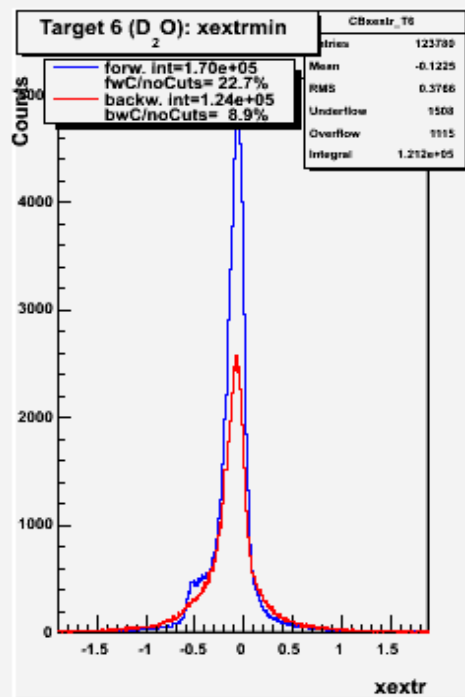
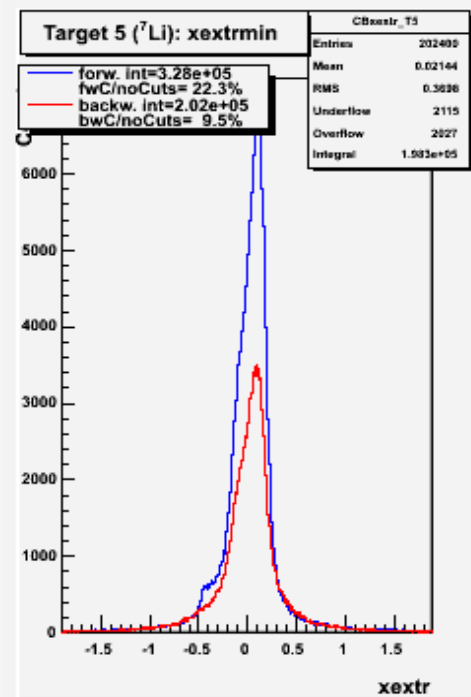
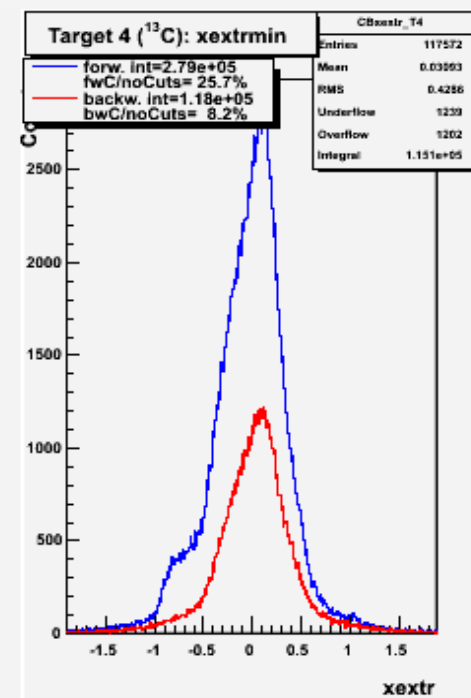
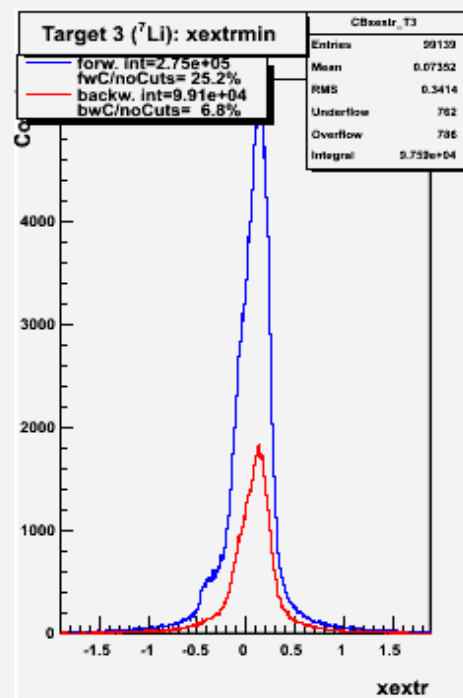
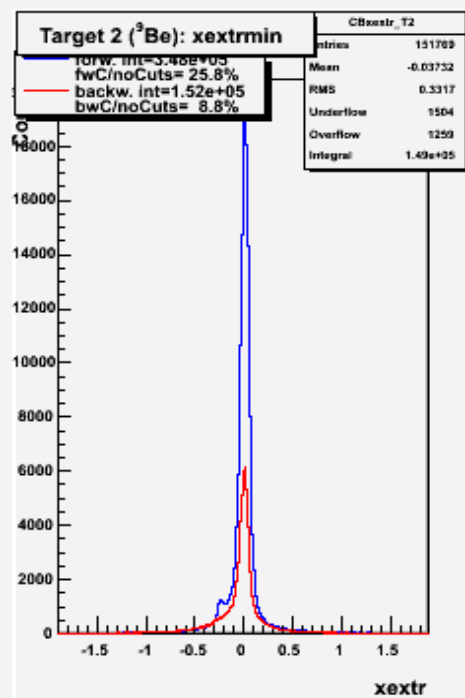
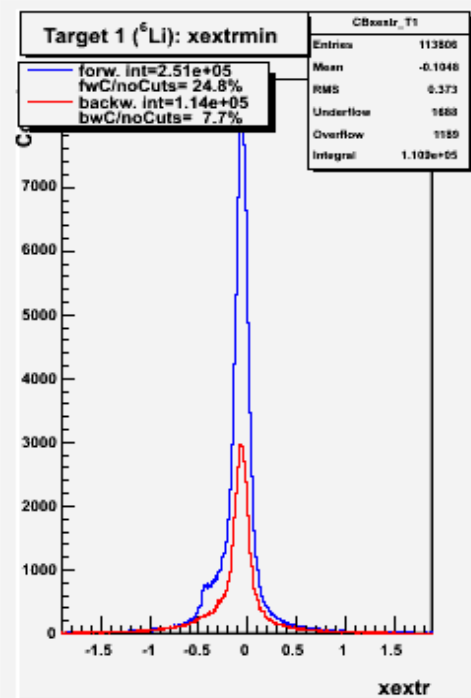
MC $K^- + p \rightarrow \Sigma^- + \pi^+$ vdk tmin (Loose Cuts)



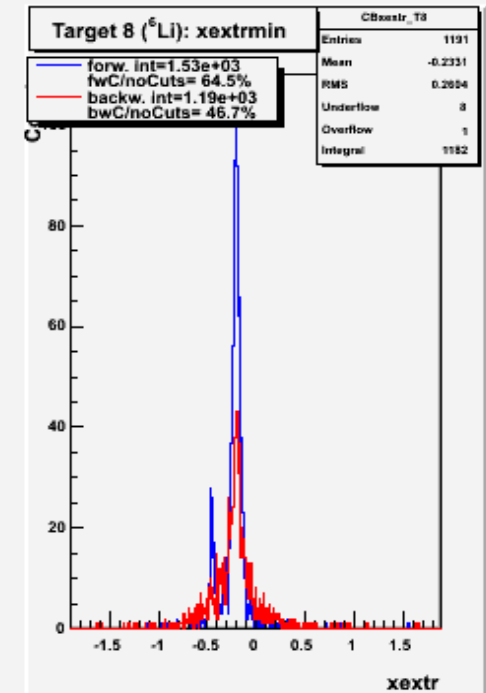
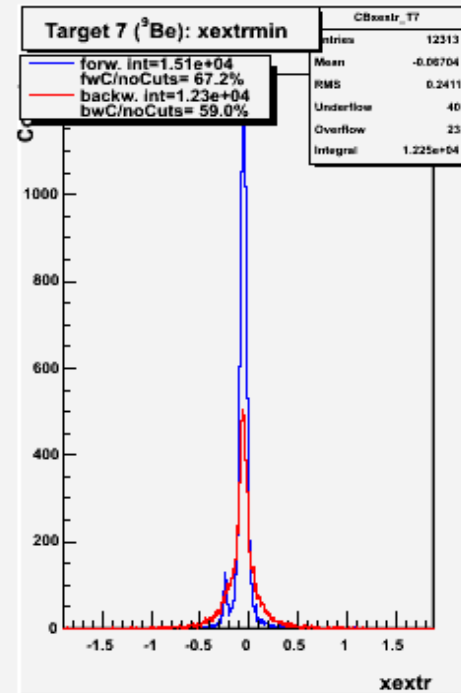
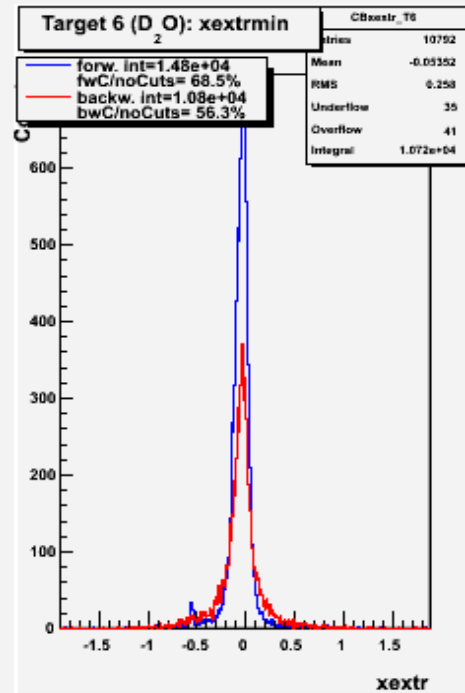
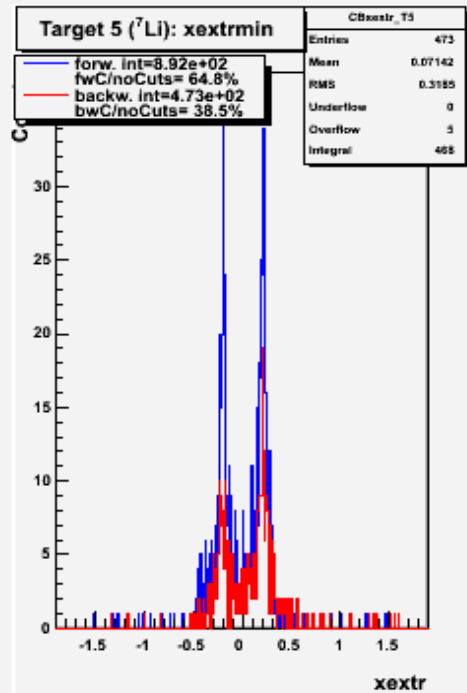
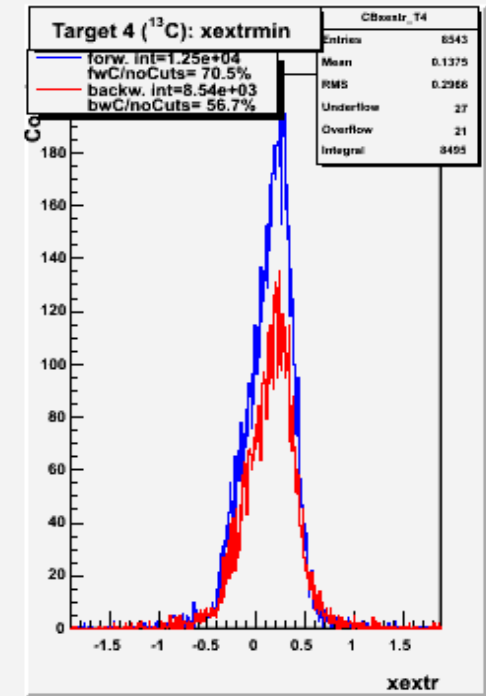
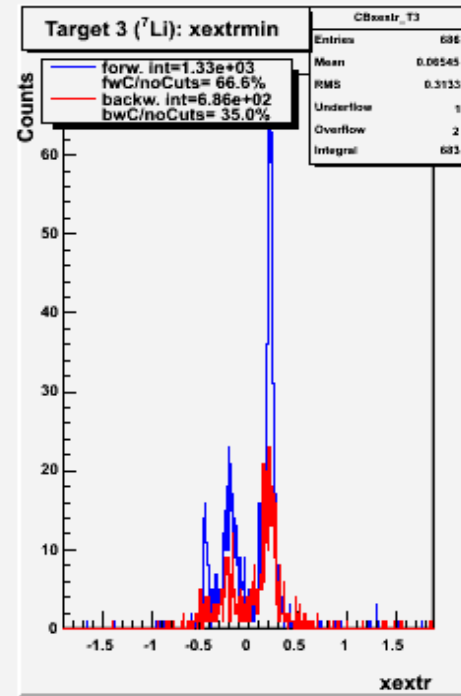
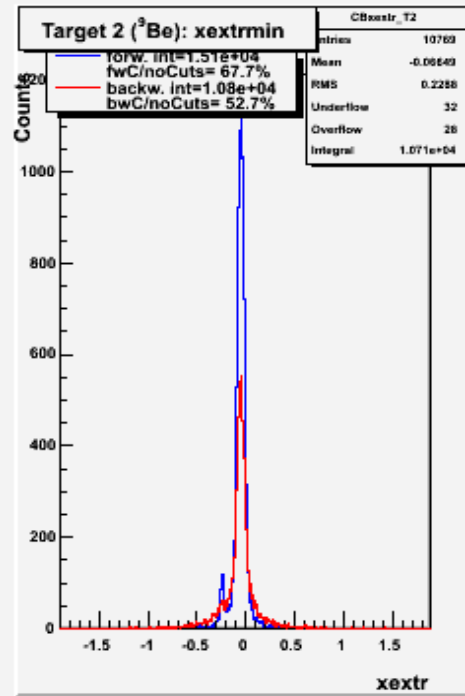
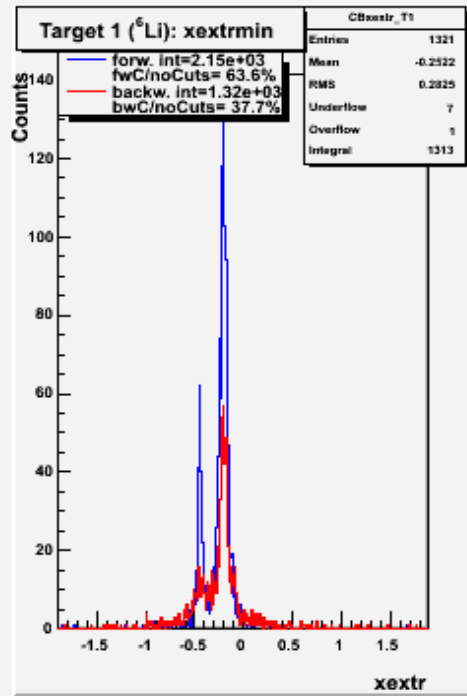
MC $K^-+np \rightarrow \Sigma^-+p$ vdktmin (Loose Cuts)



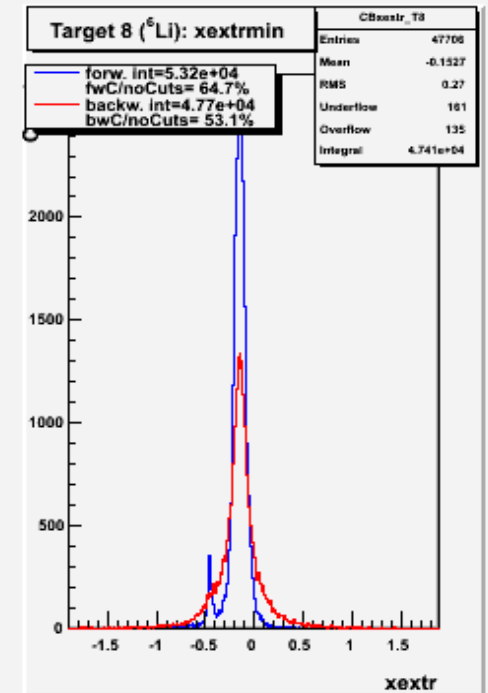
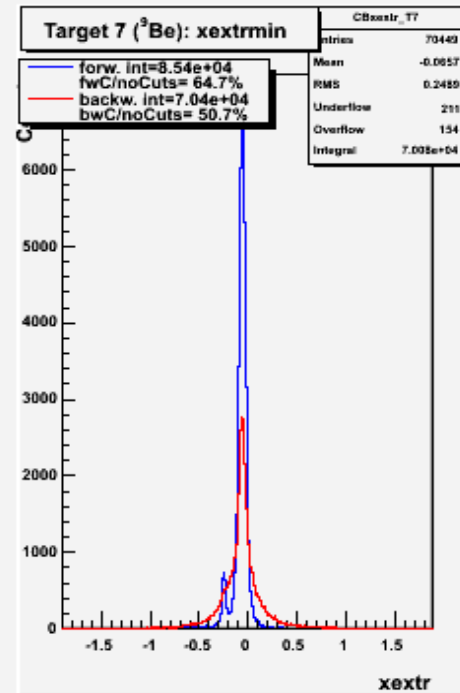
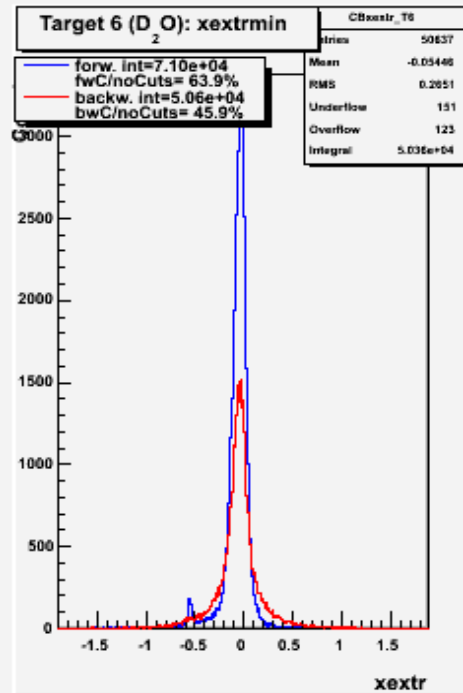
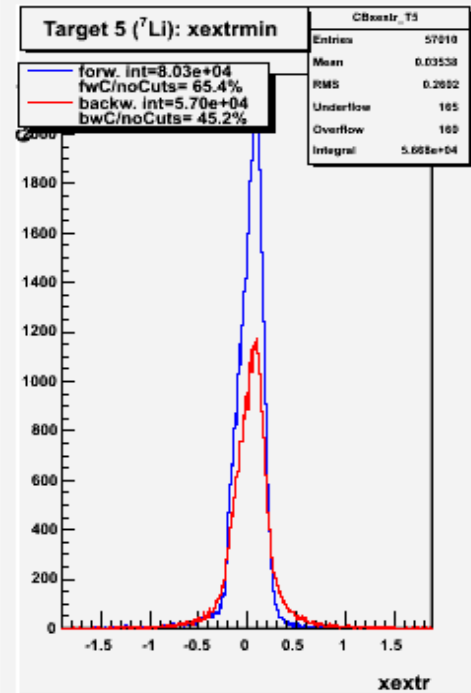
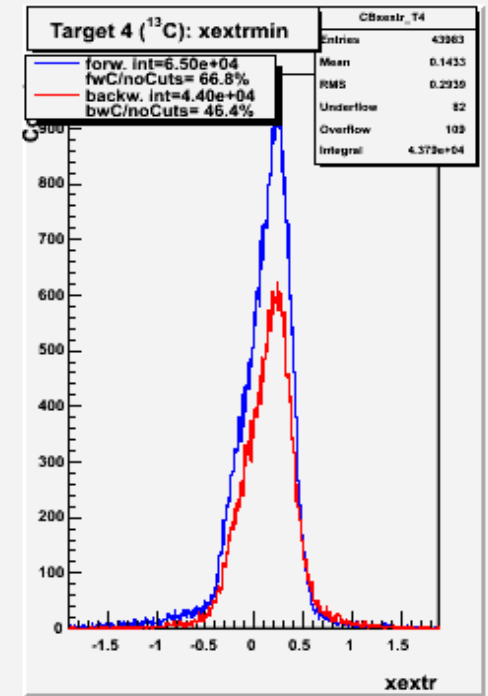
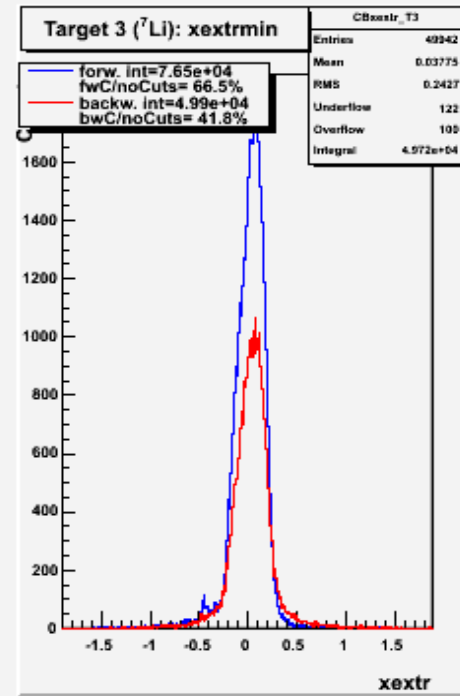
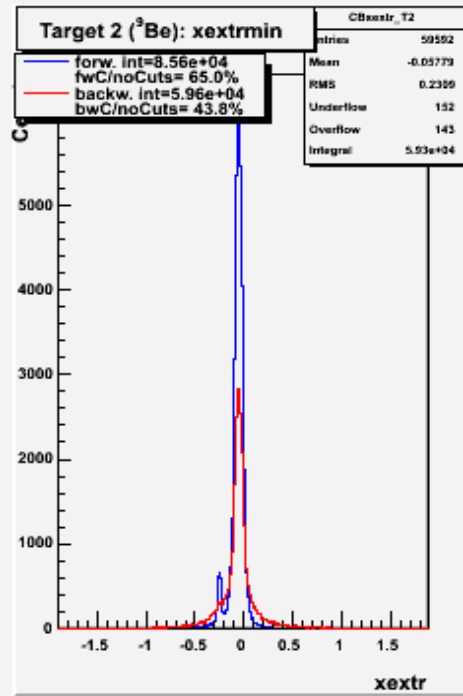
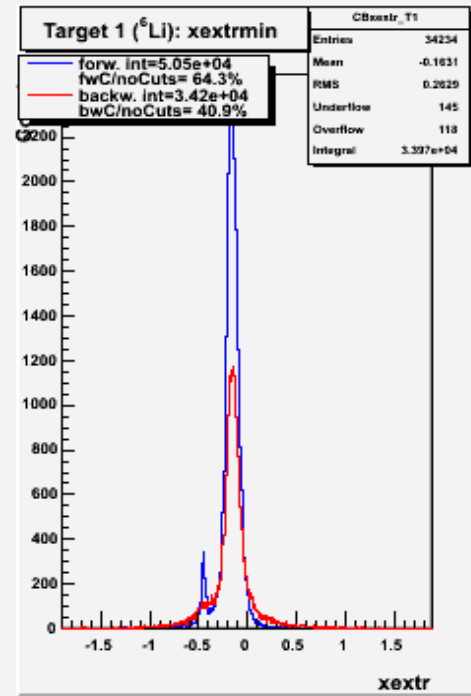
Data xextrmin (Loose Cuts)



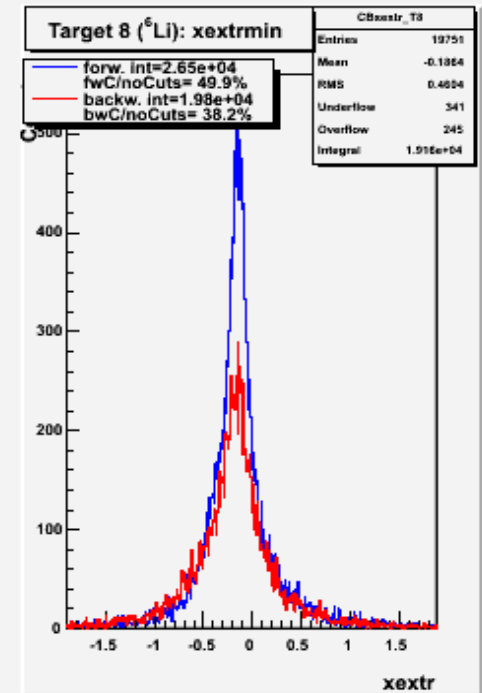
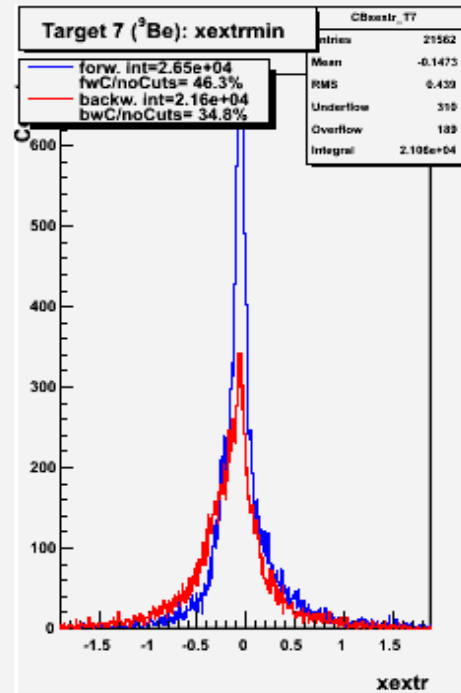
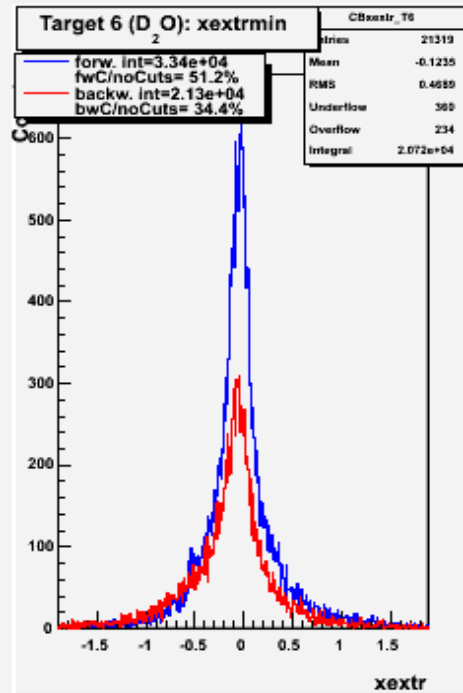
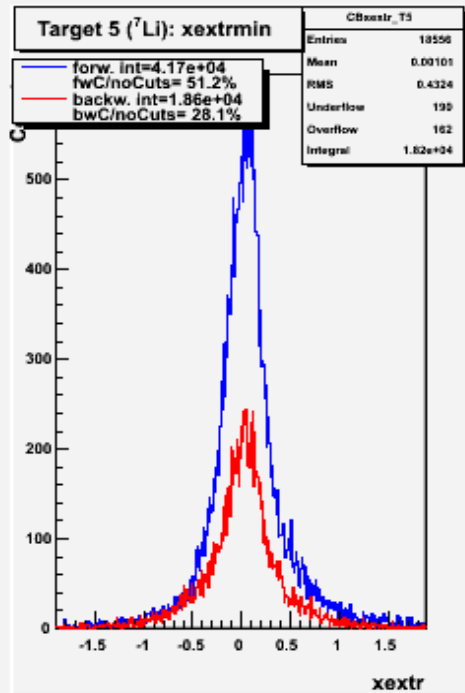
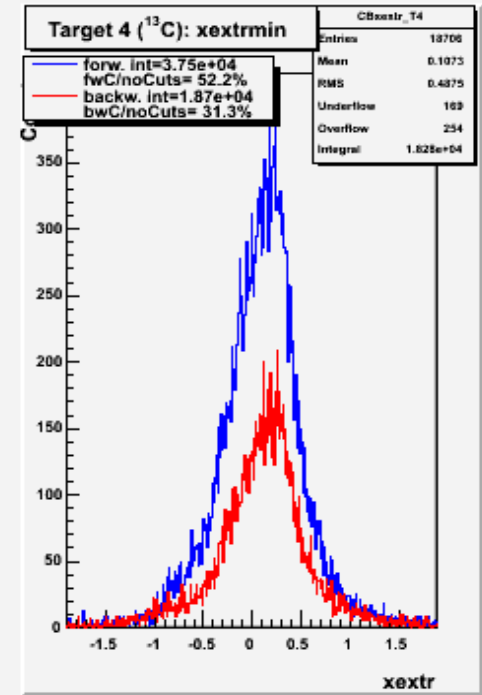
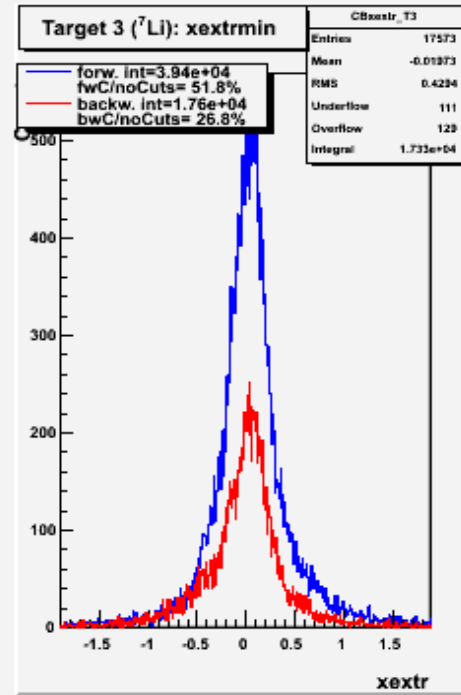
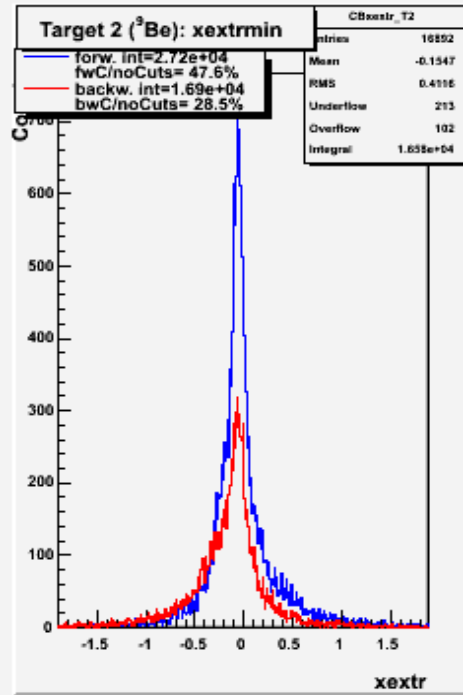
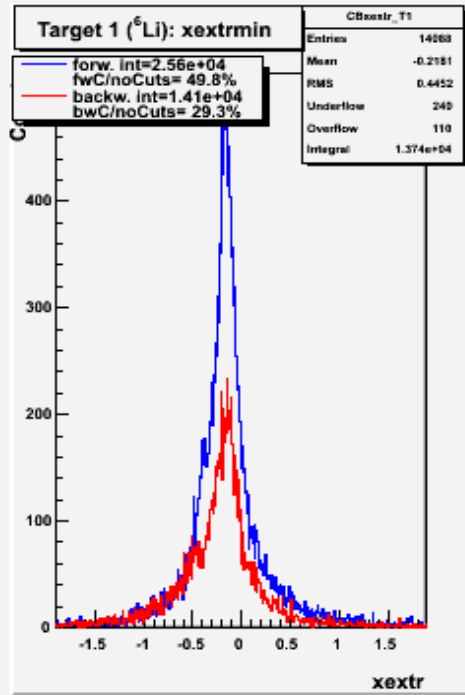
MC signal xextrmin (Loose Cuts)



MC $K^-+n \rightarrow \Lambda+\pi^-$ xextrmin (Loose Cuts)



MC $K^- + p \rightarrow \Sigma^- + \pi^+$ xextrmin (Loose cuts)



MC $K^-+np \rightarrow \Sigma^-+p$ xextrmin (Loose Cuts)

