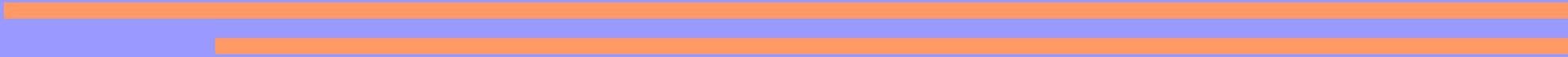


Non Mesonic Weak Decay



TARGHETTE ANALIZZATE:

9Be – 13C- 16O – Produzione FEB 08

con confronto produzione APR08

11B Produzione AUG07 --> come scorsa riunione

TAGLI UTILIZZATI PER GLI SPETTRI INCLUSIVI DI PIONI:

Tracce forward+backward LUNGHE

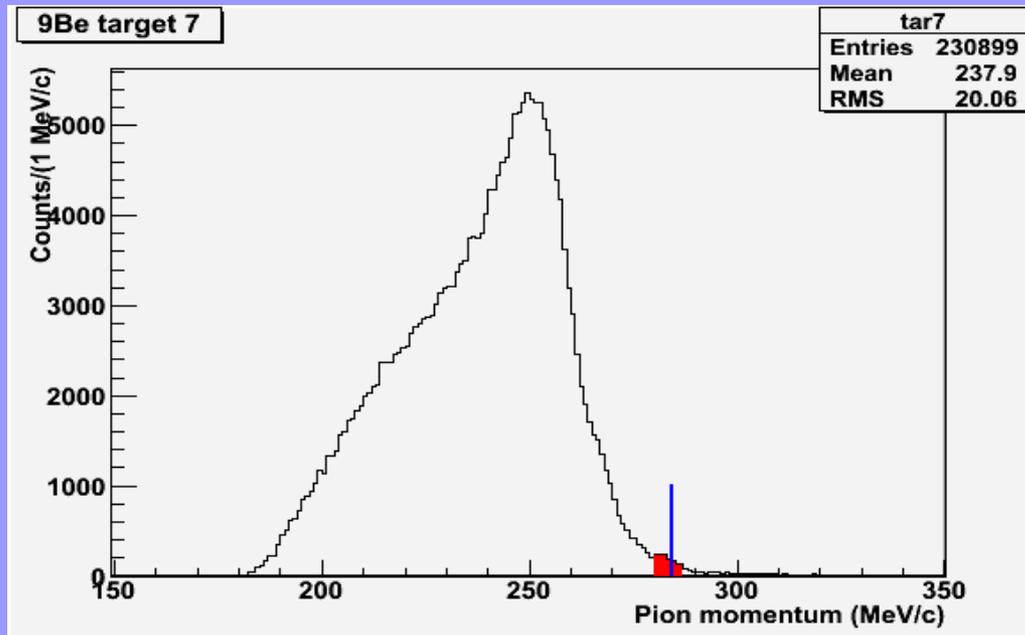
Fitemin=0, Prercod=0, Stopmin=1, Extrmin=1

Disvmin<0.3, Dev2min<10, Stermin<100, Resdmin<0.5

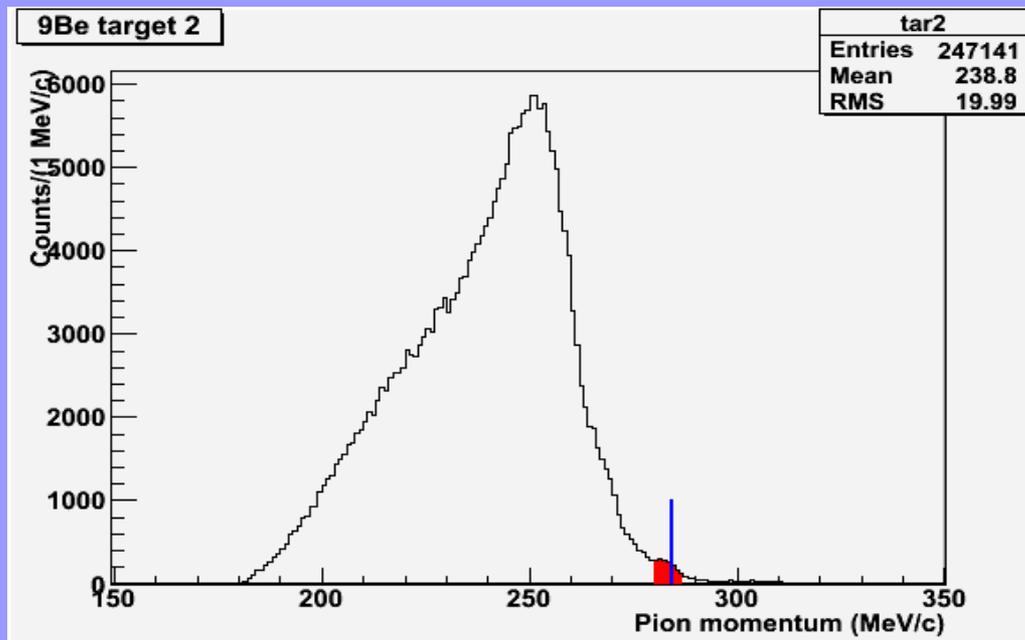
PID: Pione identificato richiedendo sempre la presenza di OSIM e almeno una delle due camere. Se e' presente anche il TOF viene utilizzata anche la massa ricavata dal tempo di volo.

Spettri di Protoni: unica richiesta PID come per pioni e tracce sia lunghe che corte

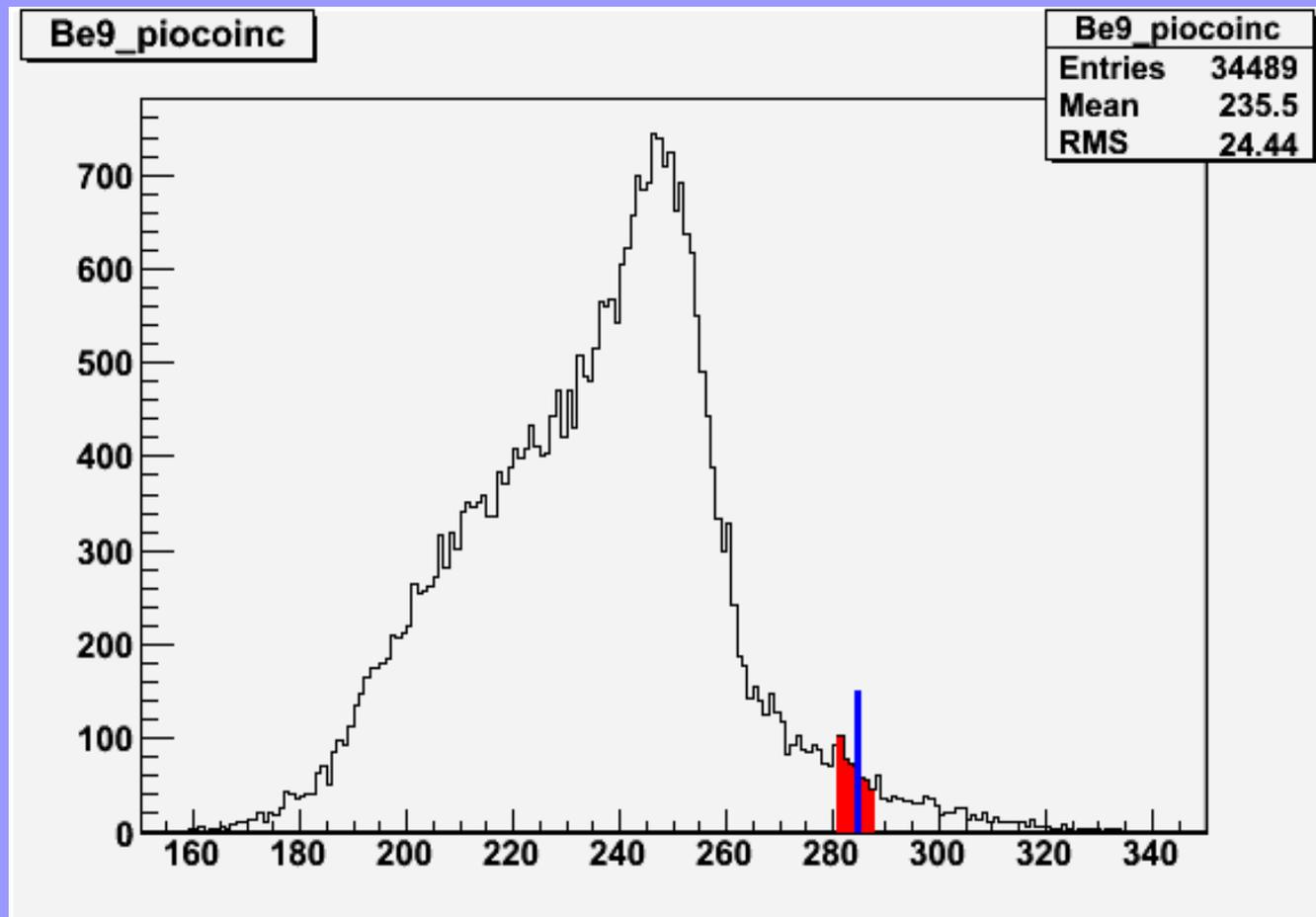
SPETTRI INCLUSIVI DI PIONI DAL ^9Be



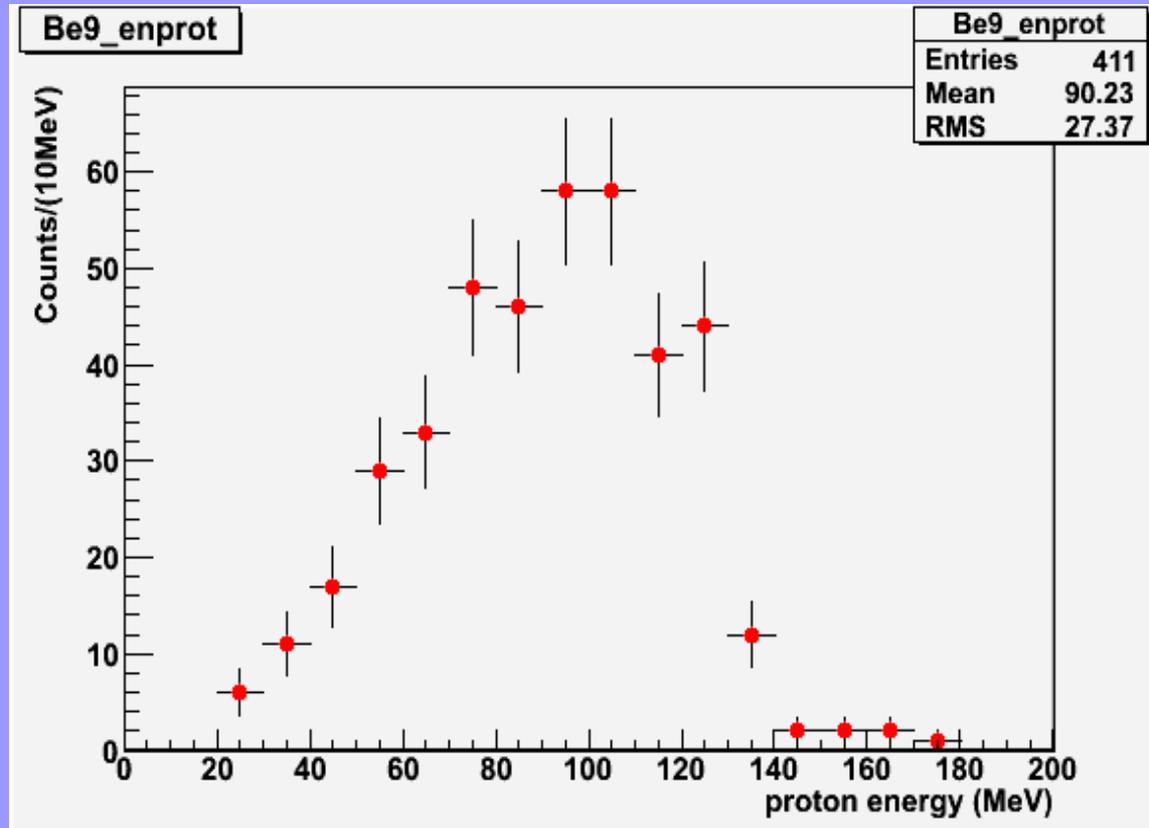
Stato fondamentale :
284,56 MeV/c
regione selezionata
281,5-287,5 MeV/c



SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DAL ^9Be



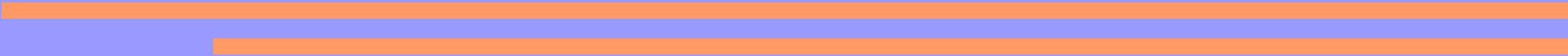
SPETTRI DI PROTONI IN COINCIDENZA CON PIONI g.s. ^9Be



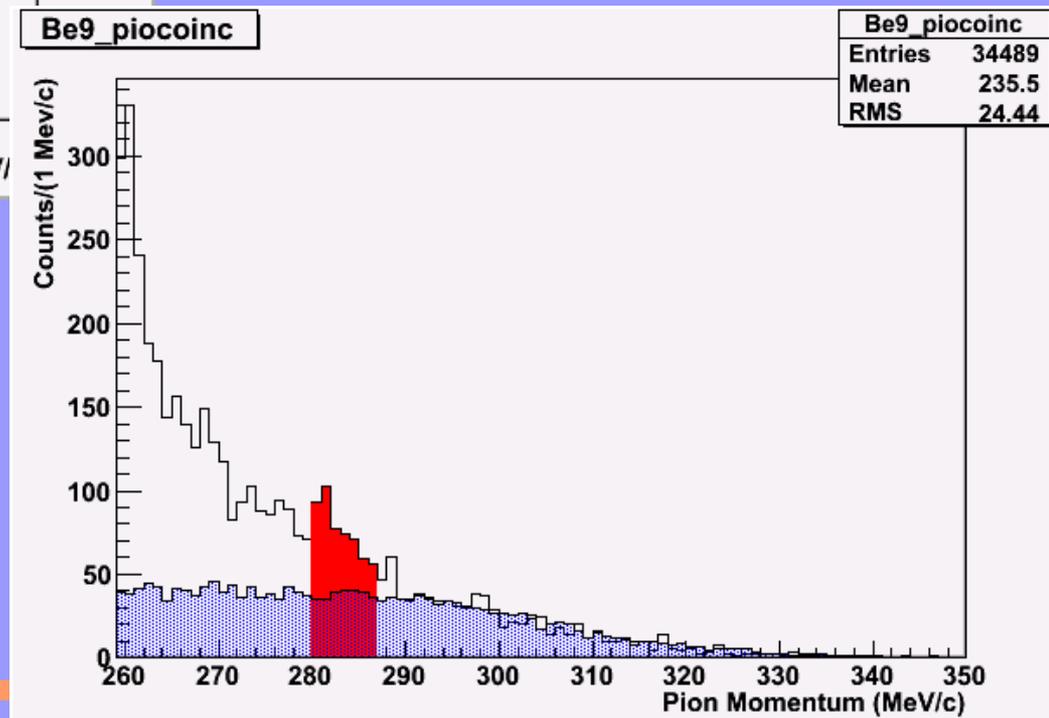
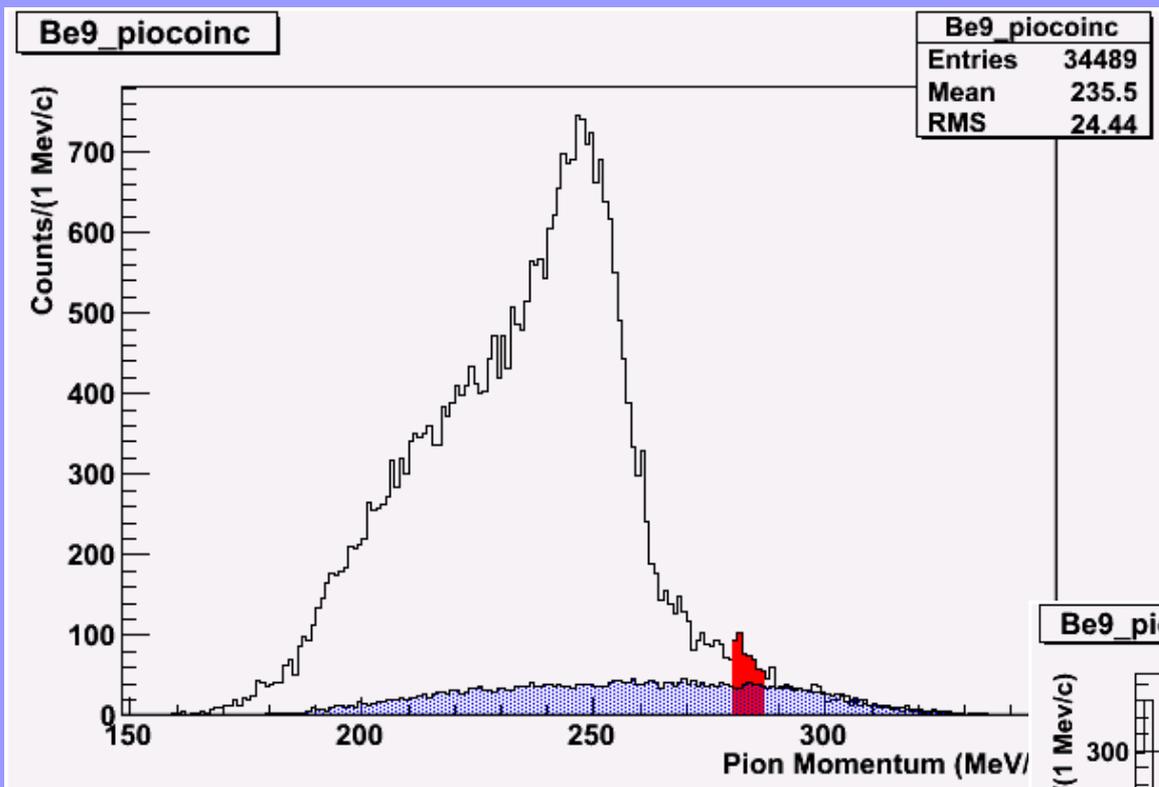
Stima del fondo spettro protoni

***circa 9 milioni di eventi K-np simulati con
versione v604.04***

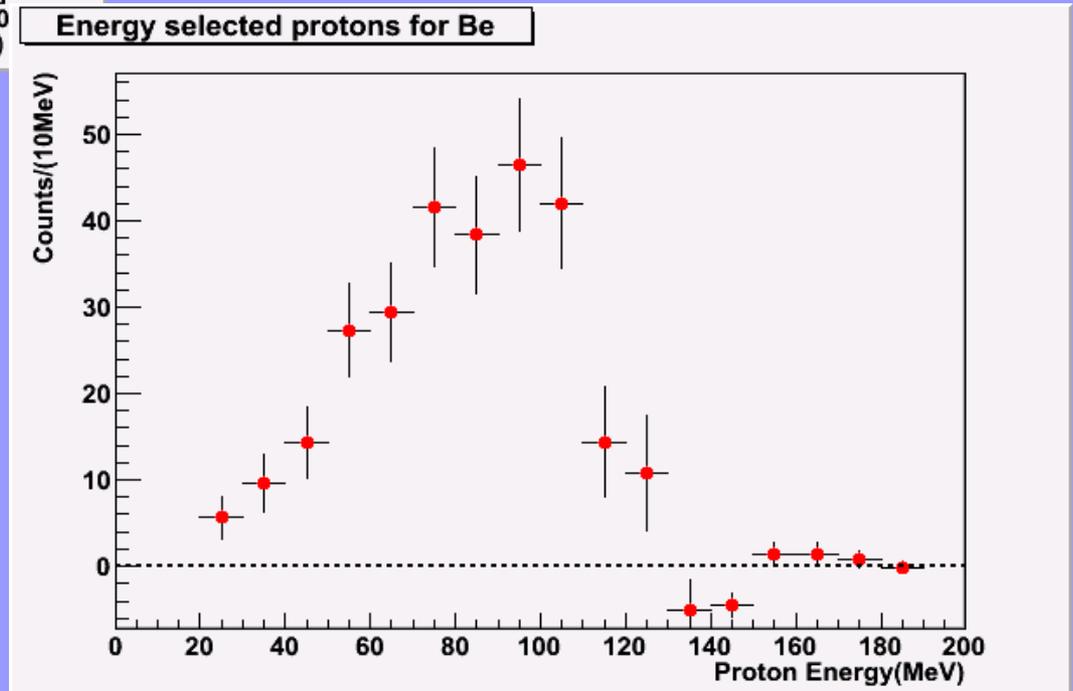
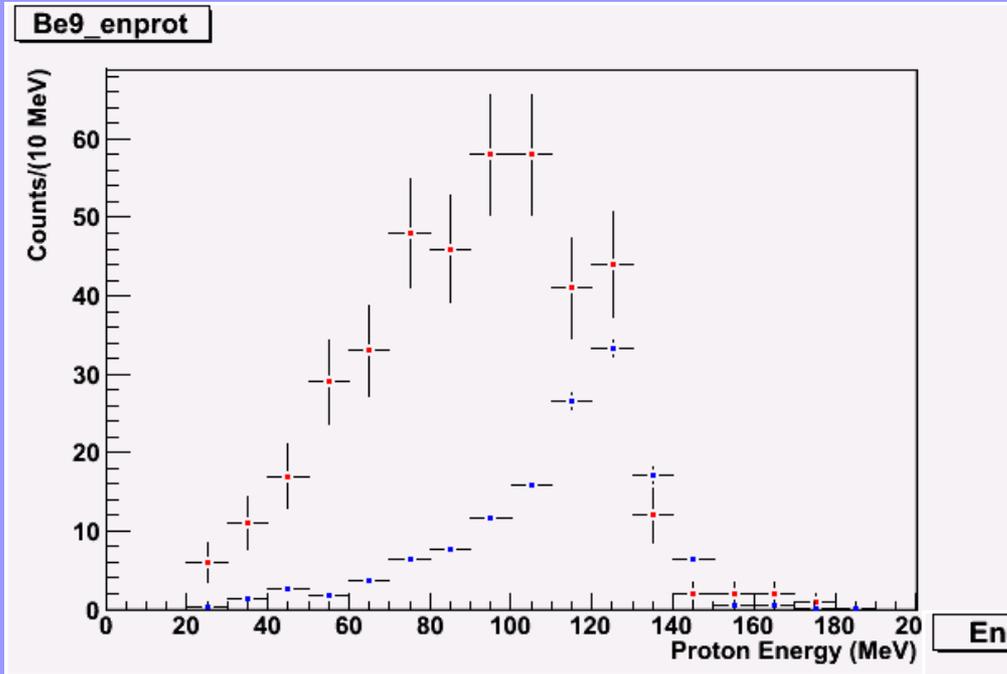
ricostruiti circa 3,5 milioni eventi



Valutazione fondo K-np per SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DAL ^9Be



Valutazione fondo K-np per SPETTRI DI PROTONI DAL 9Be



SPETTRI INCLUSIVI DI PIONI DAL 13C

Stati legati

271,95 MeV/c

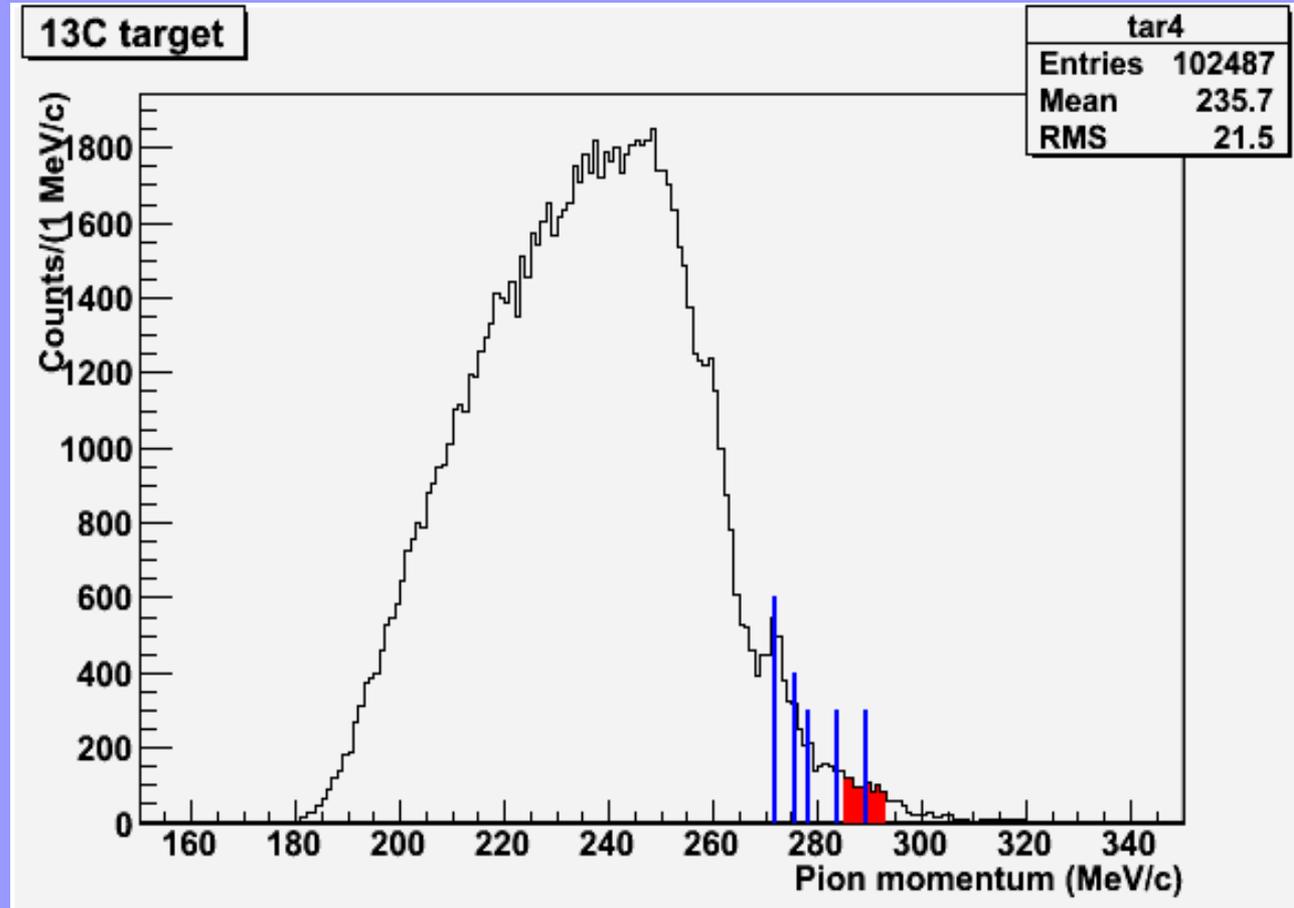
275,79 MeV/c

278,50 MeV/c

283,95 MeV/c

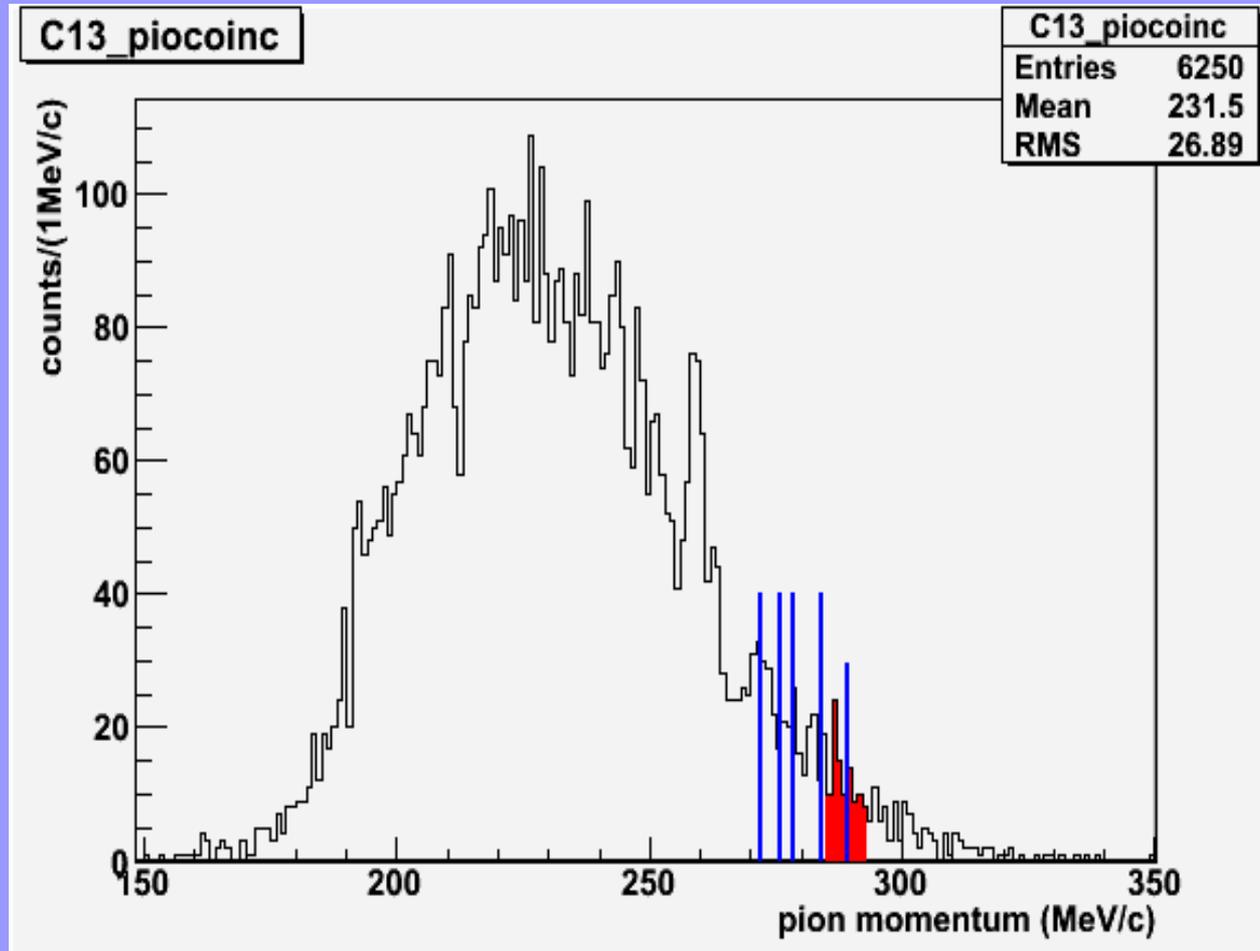
g.s

289,37 MeV/c

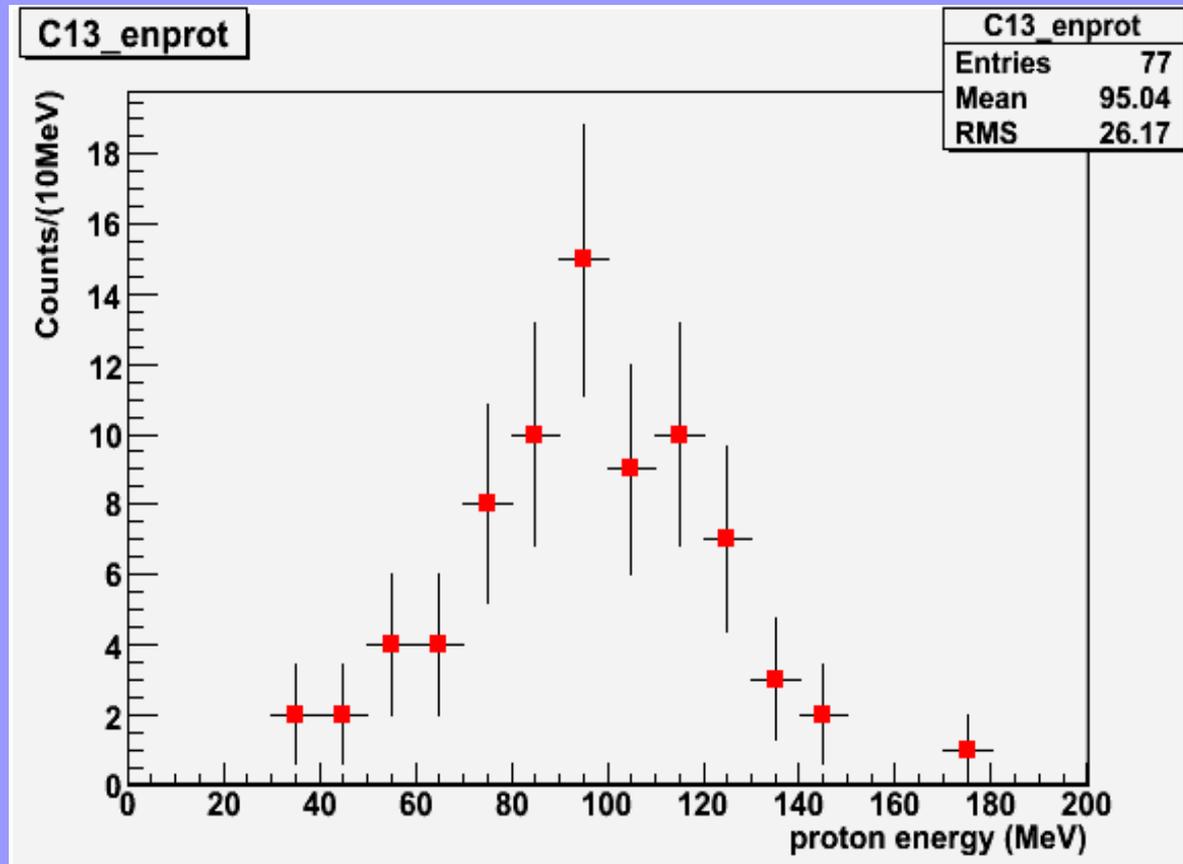


Regione selezionata per il g.s 286-292 MeV/c

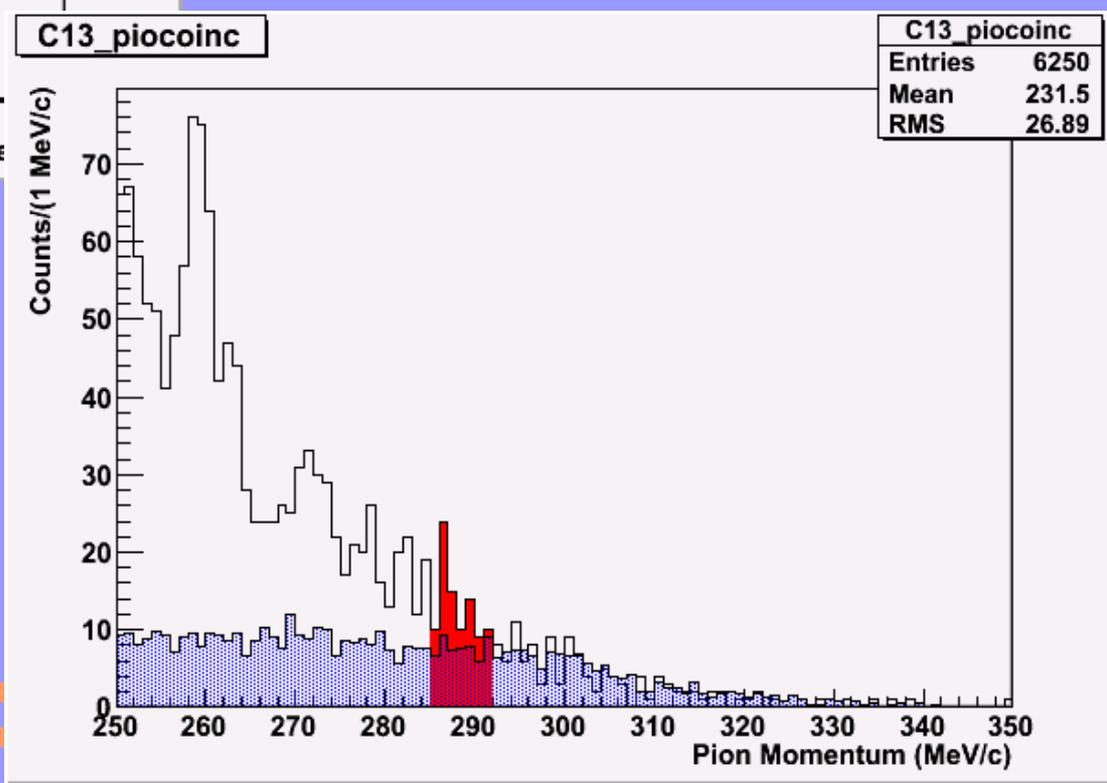
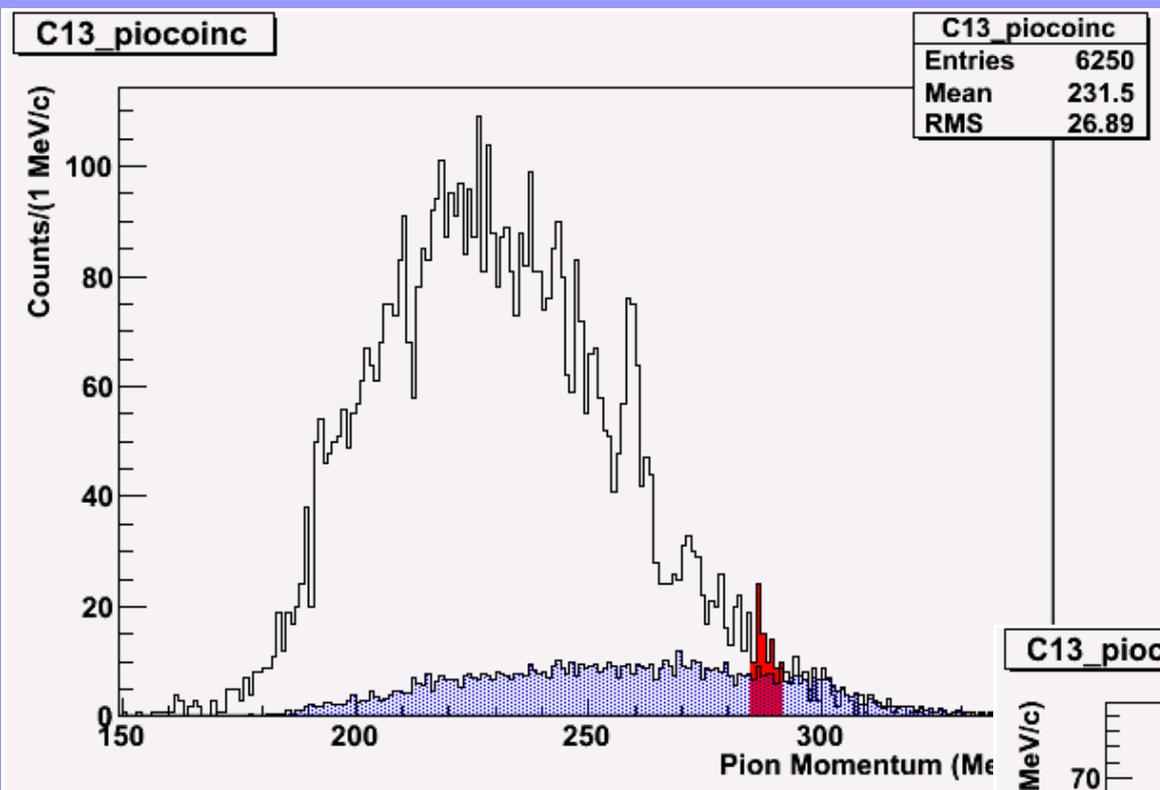
SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DAL ^{13}C



SPETTRI DI PROTONI IN COINCIDENZA CON PIONI g.s. ^{13}C

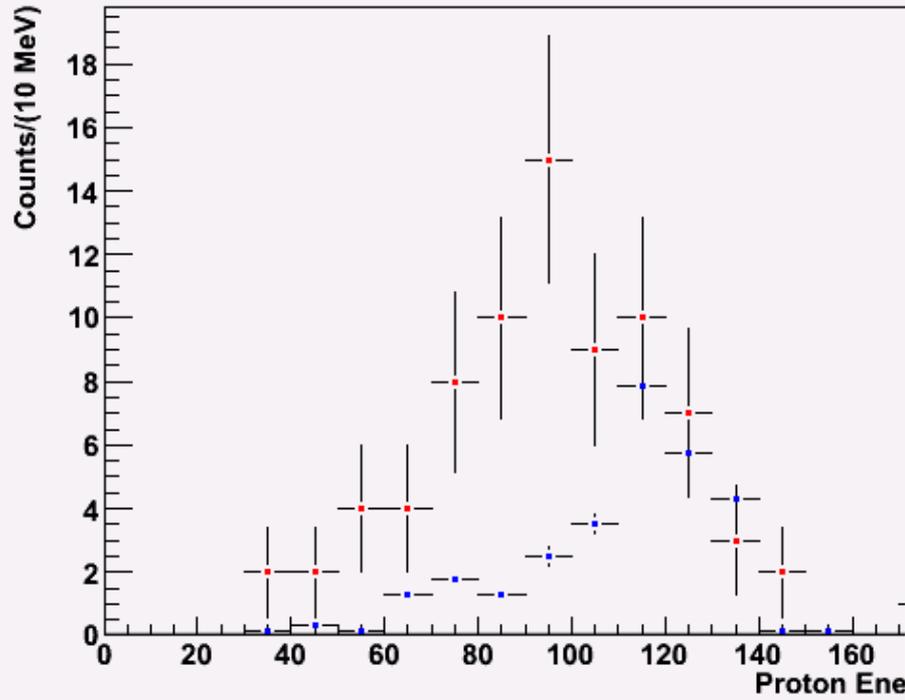


Valutazione fondo K- η per SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DAL ^{13}C

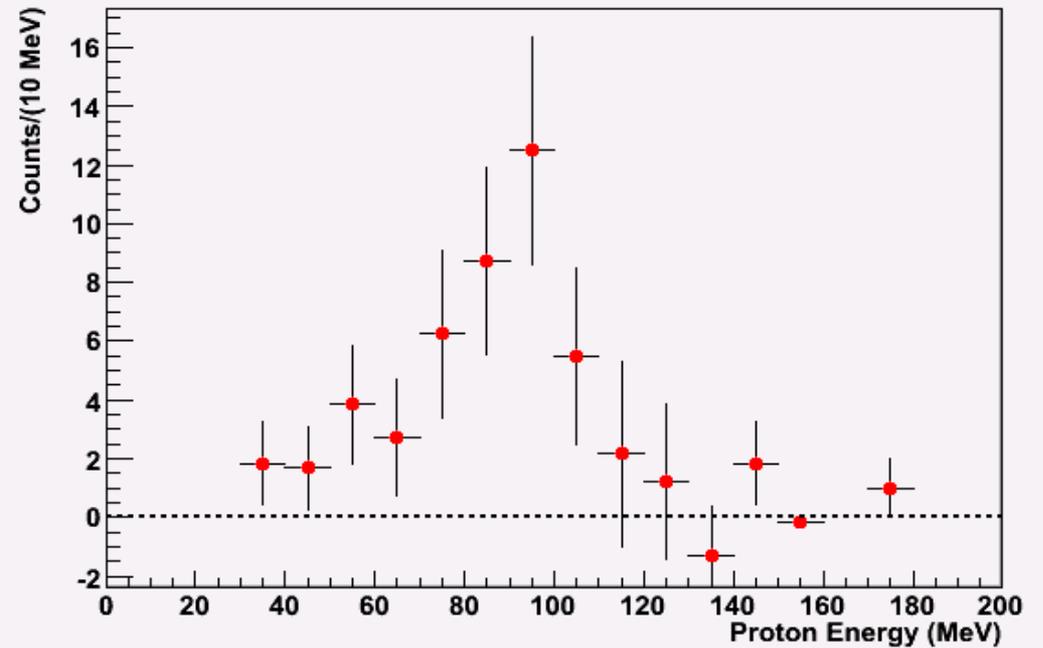


Valutazione fondo K-np per SPETTRI DI PROTONI DAL ^{13}C

C13_enprot



Energy selected protons for Be

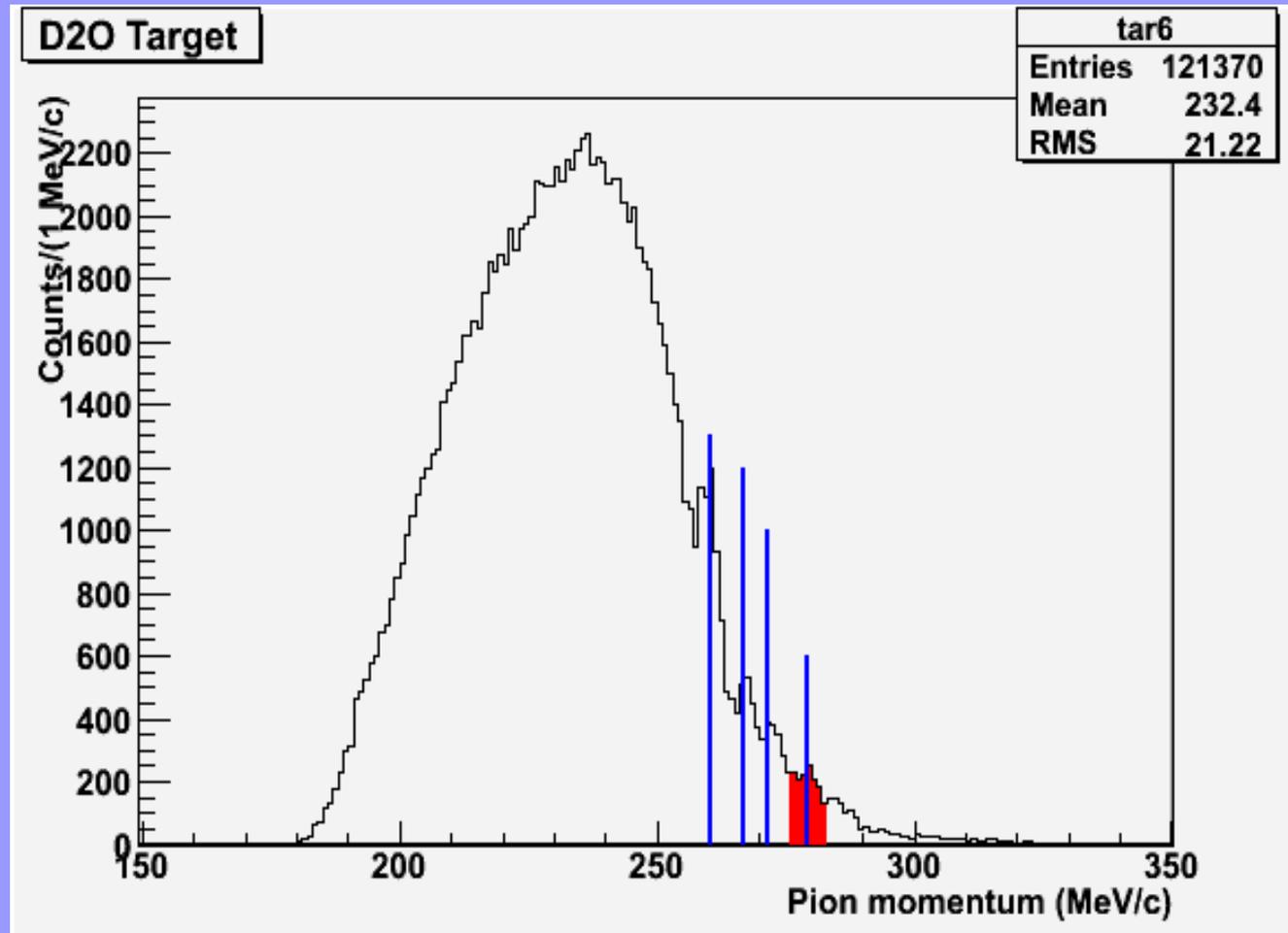


SPETTRI INCLUSIVI DI PIONI DAL 160

Stati legati

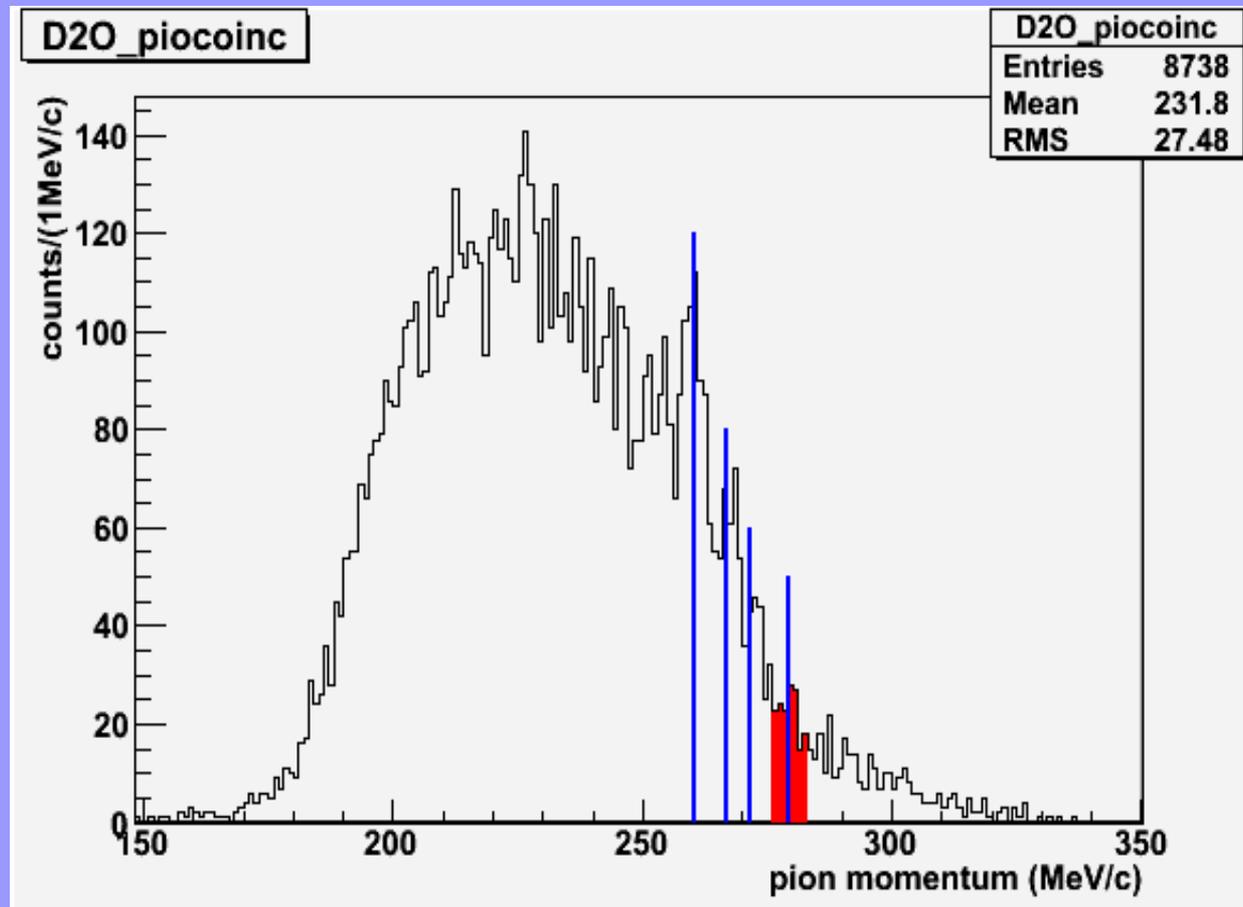
260,44 MeV/c
267,01 MeV/c
271,50 MeV/c

g.s
279,20 MeV/c

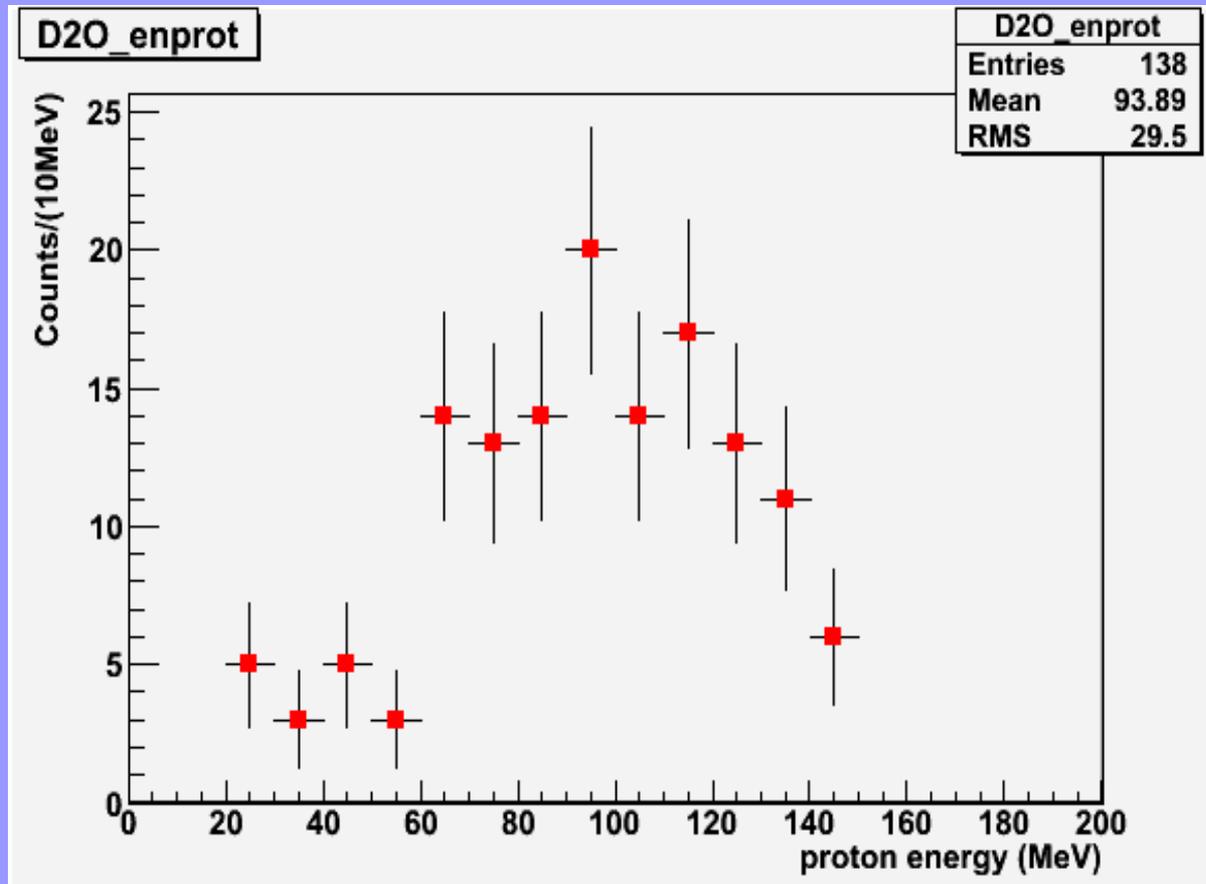


Regione selezionata per il g.s 276-282 MeV/c

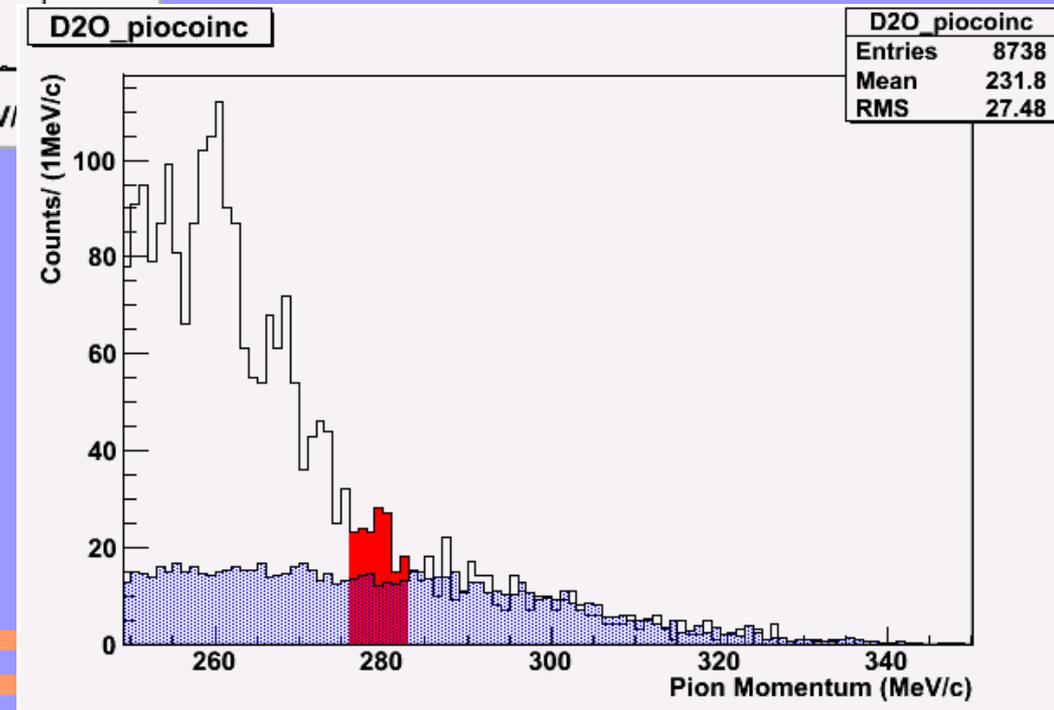
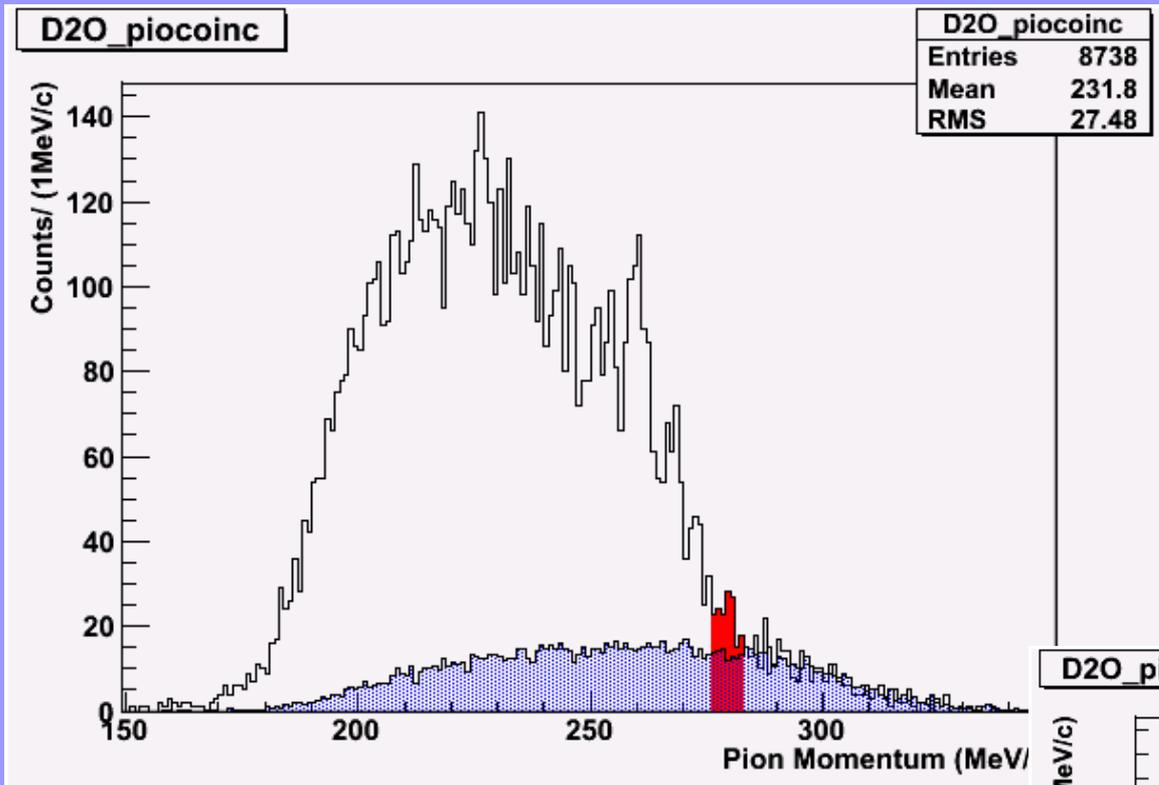
SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DAL 16O



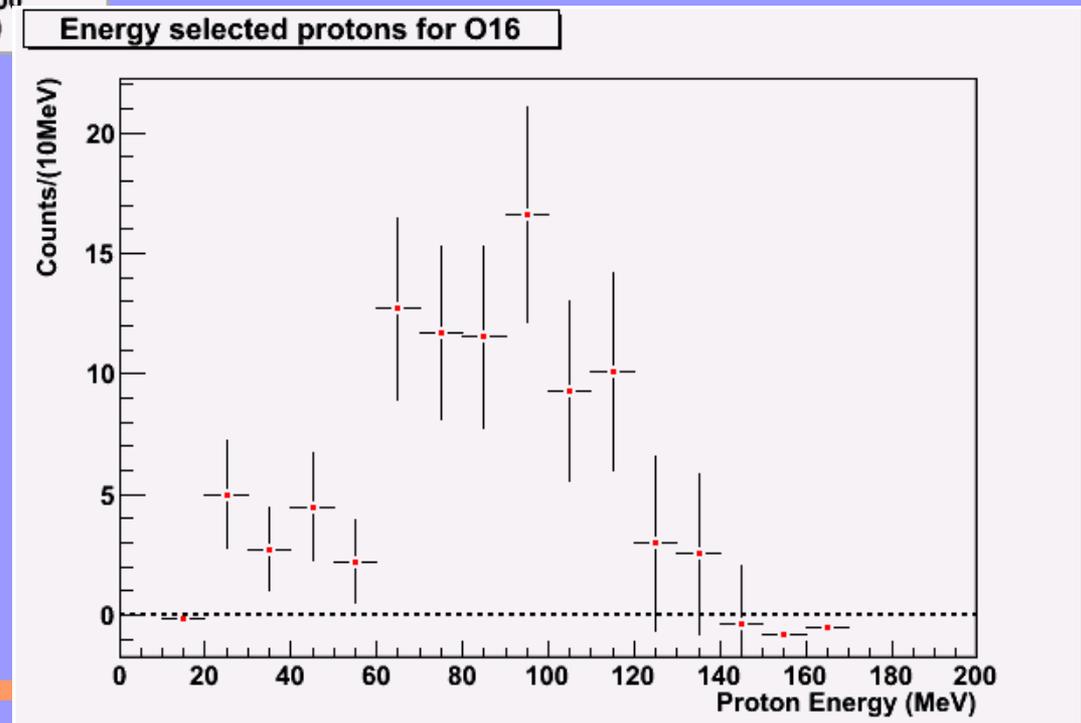
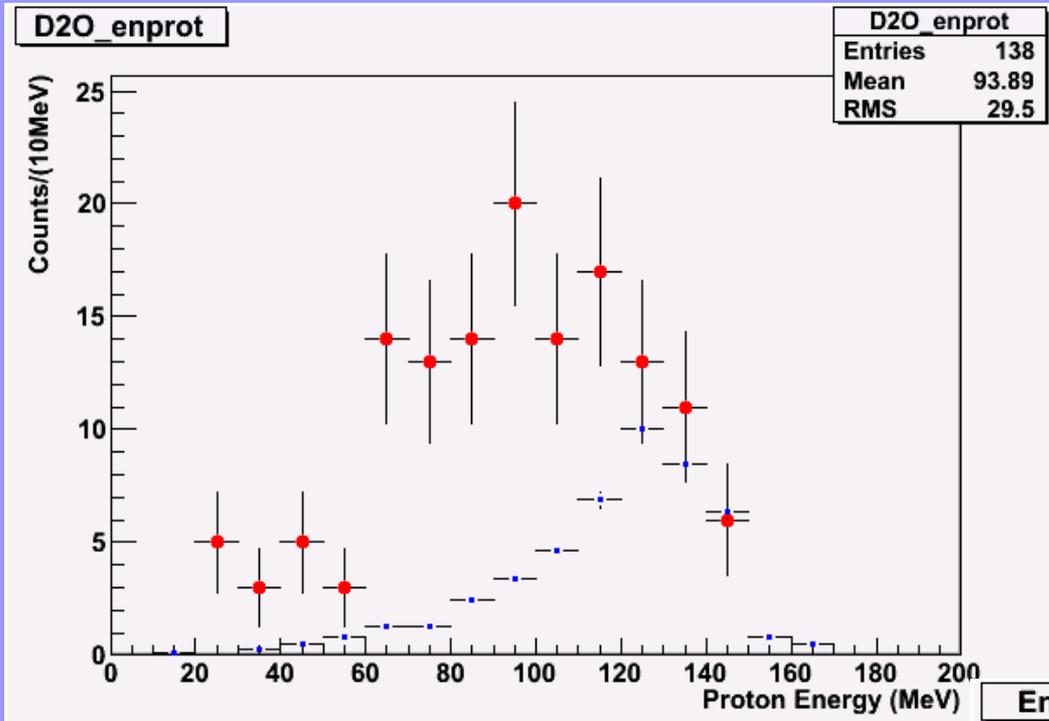
SPETTRI DI PROTONI IN COINCIDENZA CON PIONI g.s. 16O



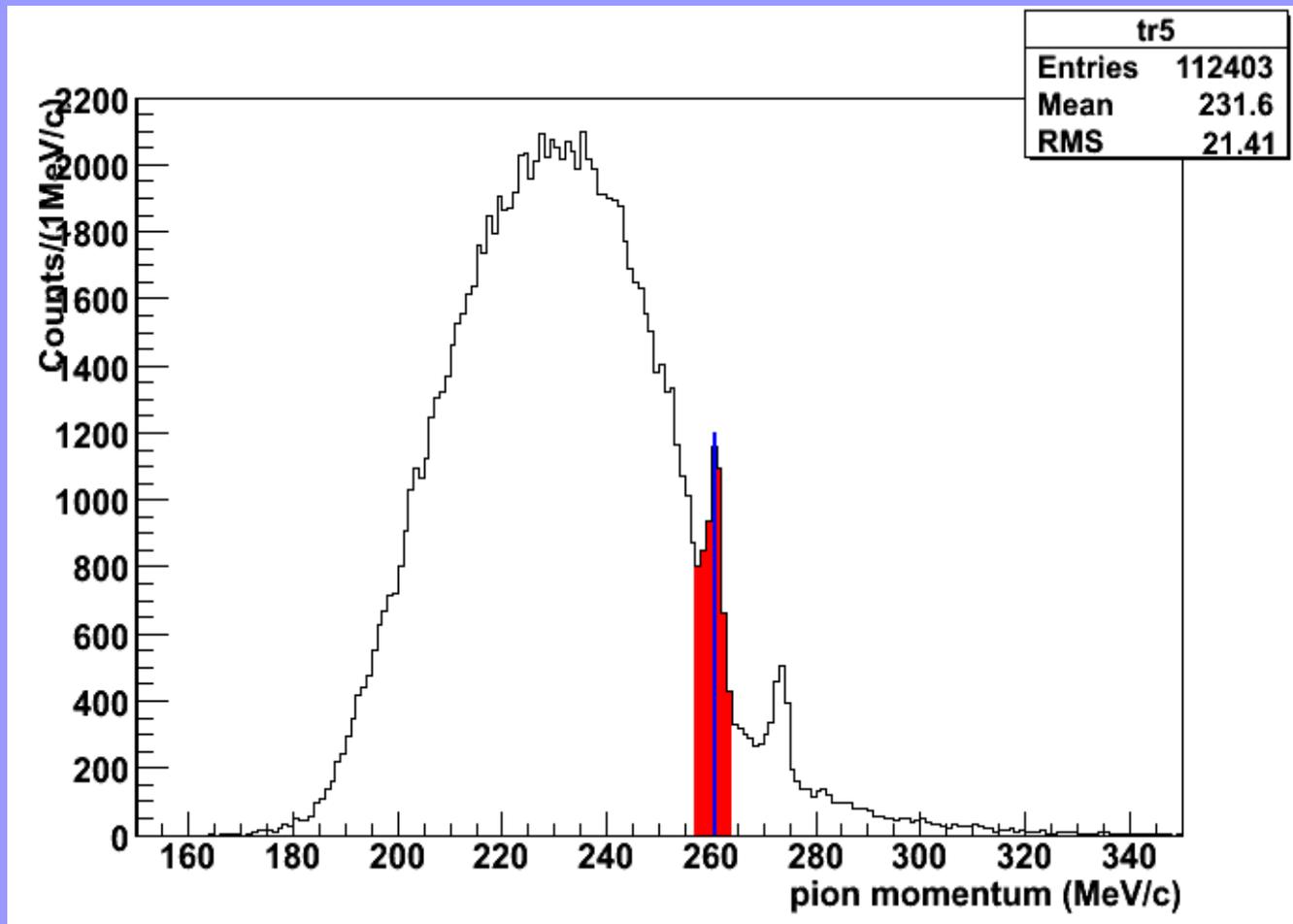
Valutazione fondo K-np per SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DAL 160



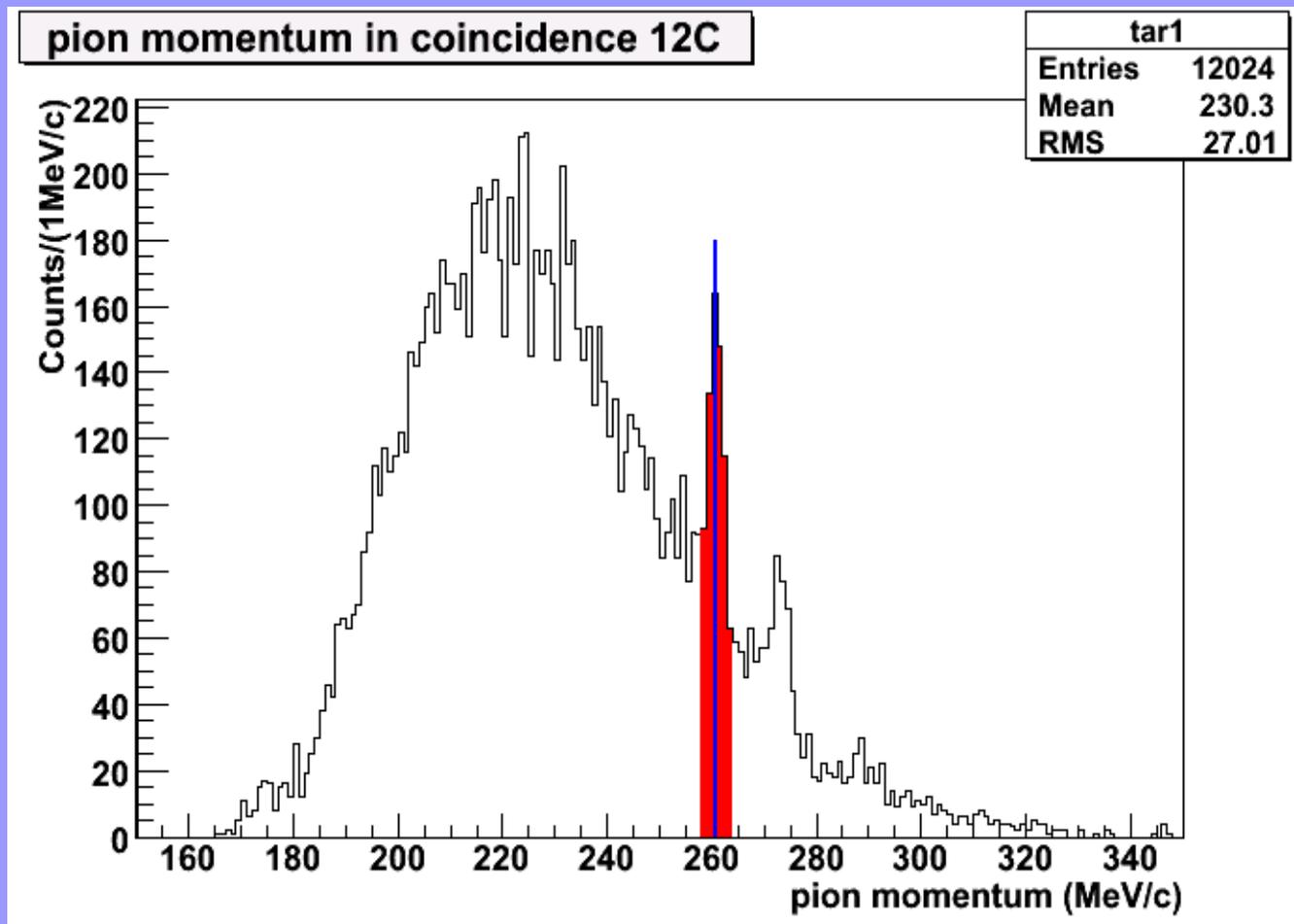
Valutazione fondo K-np per SPETTRI DI PROTONI DAL 16O



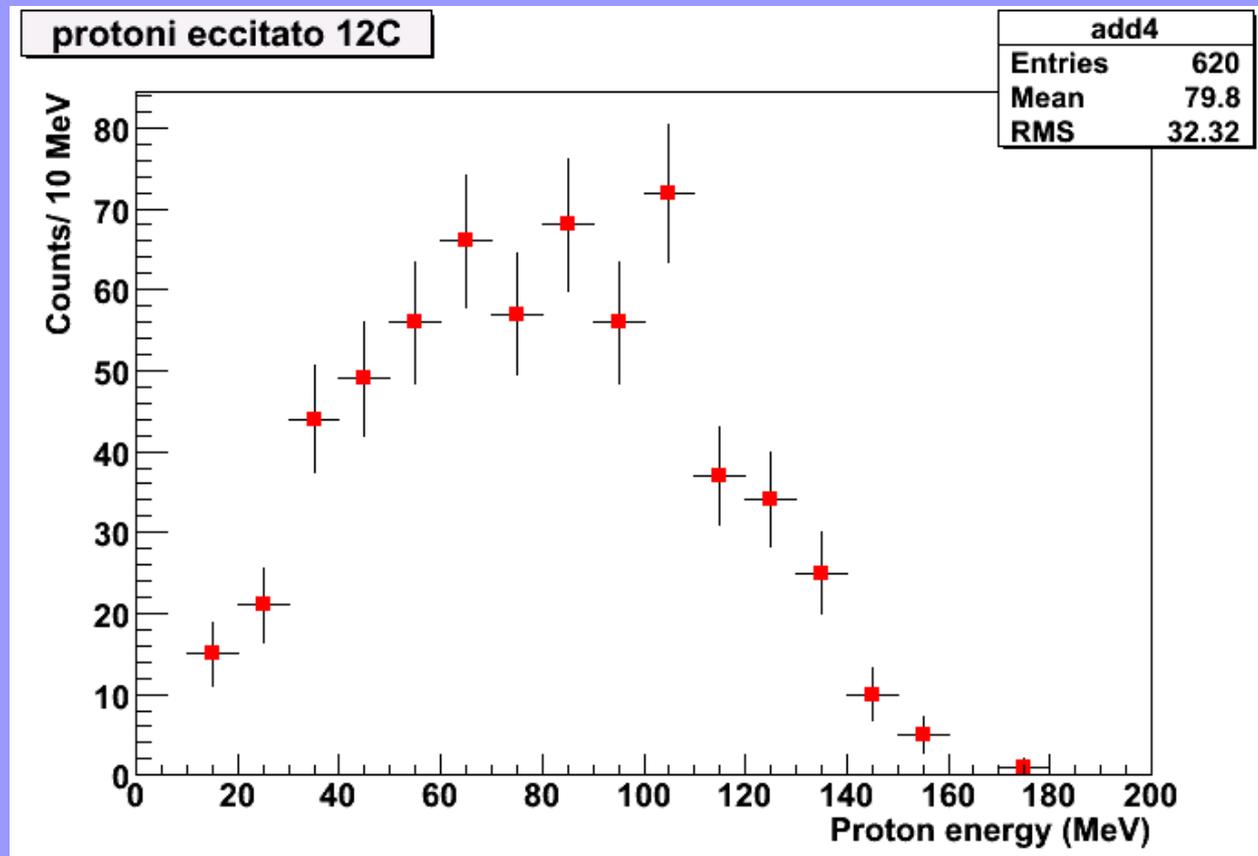
SPETTRI INCLUSIVI DI PIONI DAL 12C

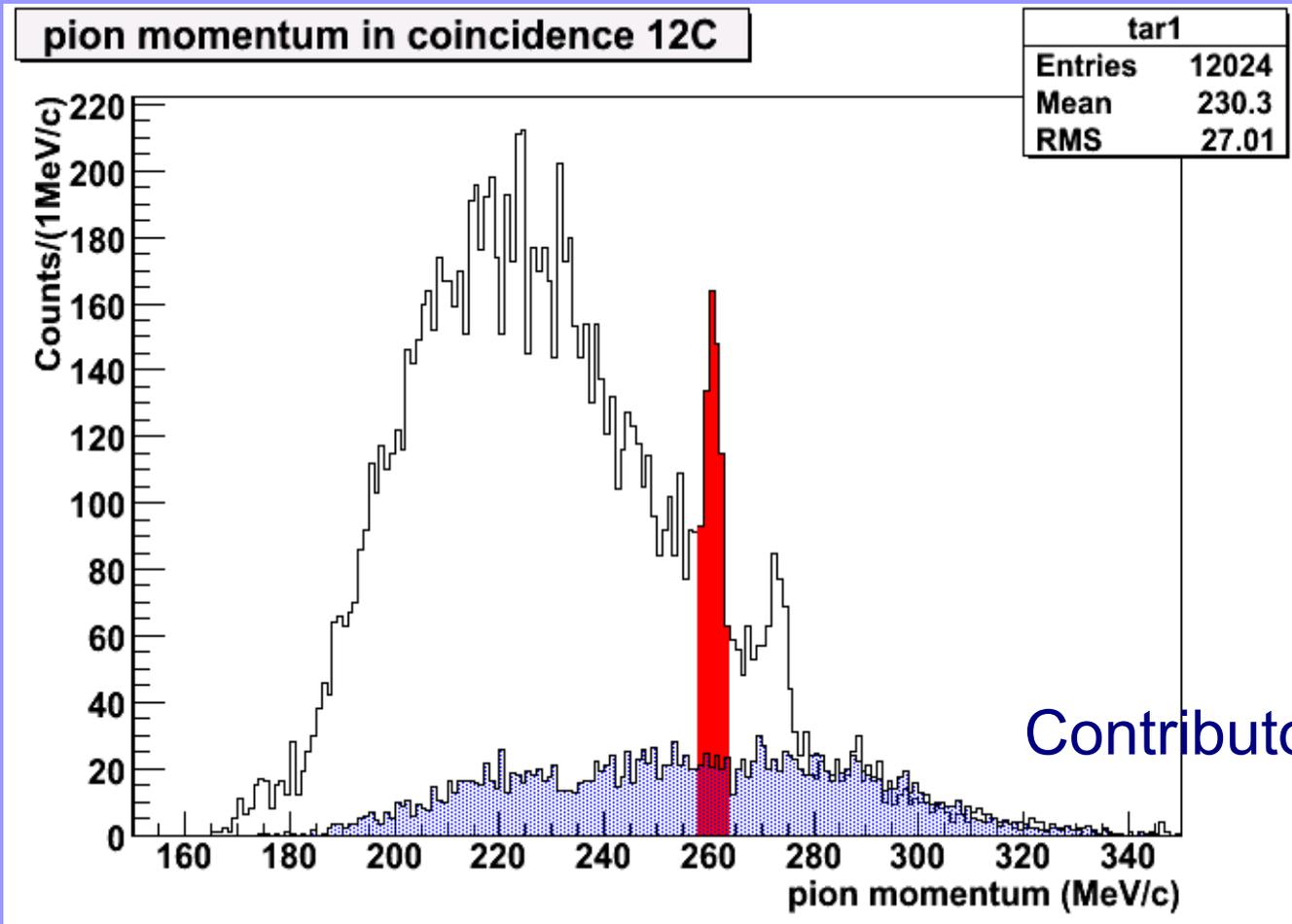


SPETTRI DI PIONI IN COINCIDENZA CON PROTONI DA stato eccitato ^{12}C

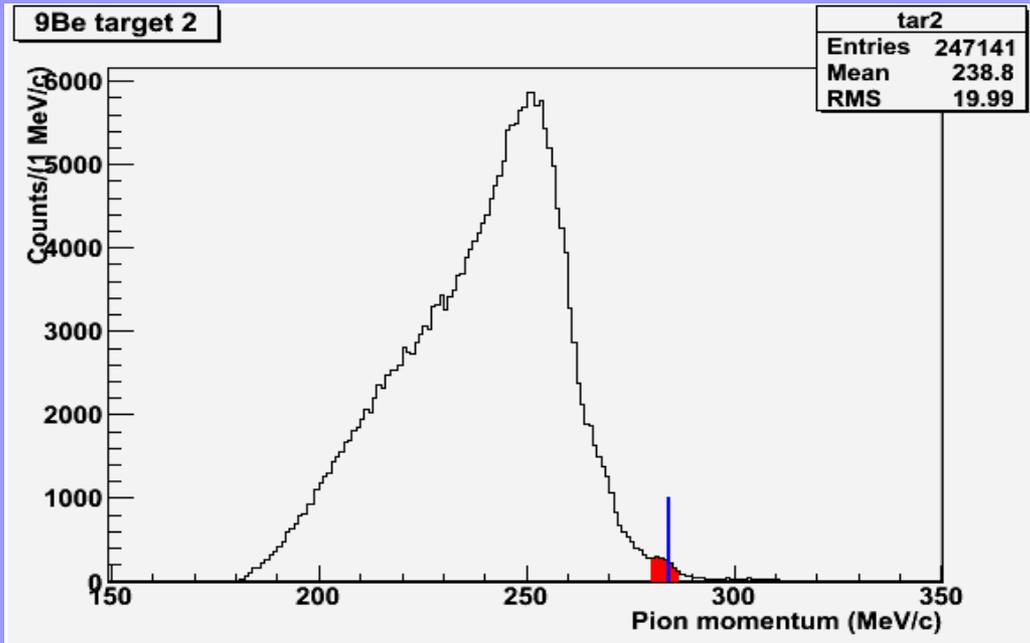


SPETTRI DI PROTONI IN COINCIDENZA CON PIONI stato eccitato ^{12}C



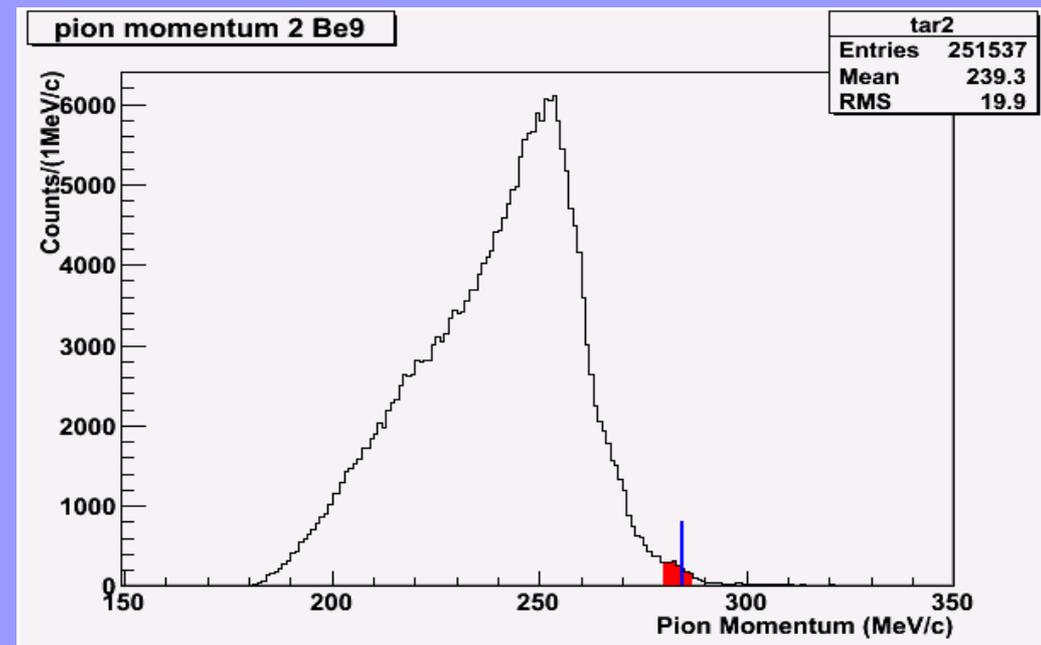


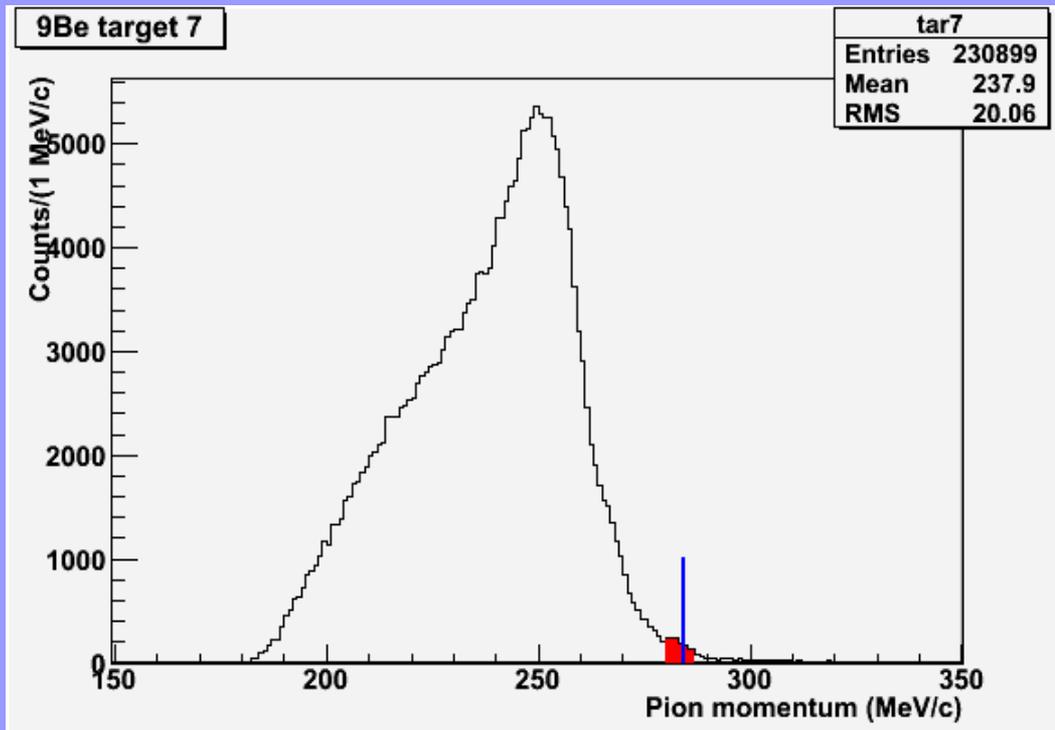
***Confronto produzione FEB08 con ultima
produzione APR08***



produzione FEB08

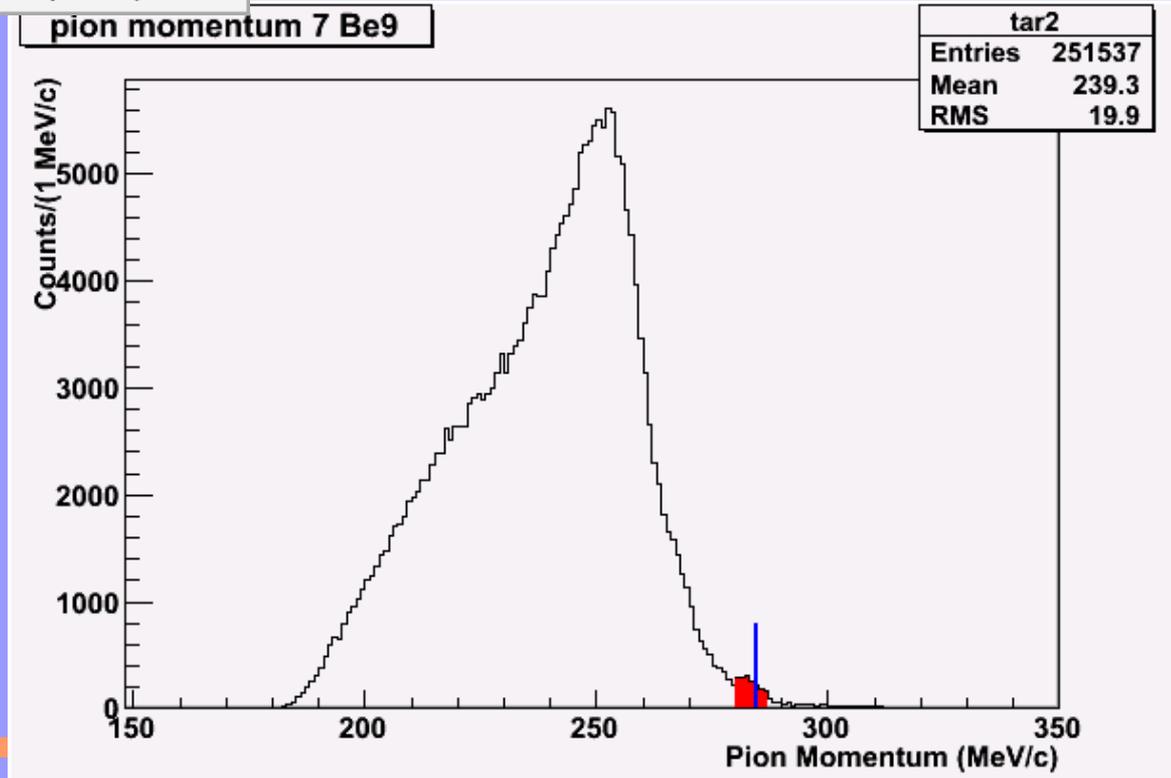
*produzione
APR08*



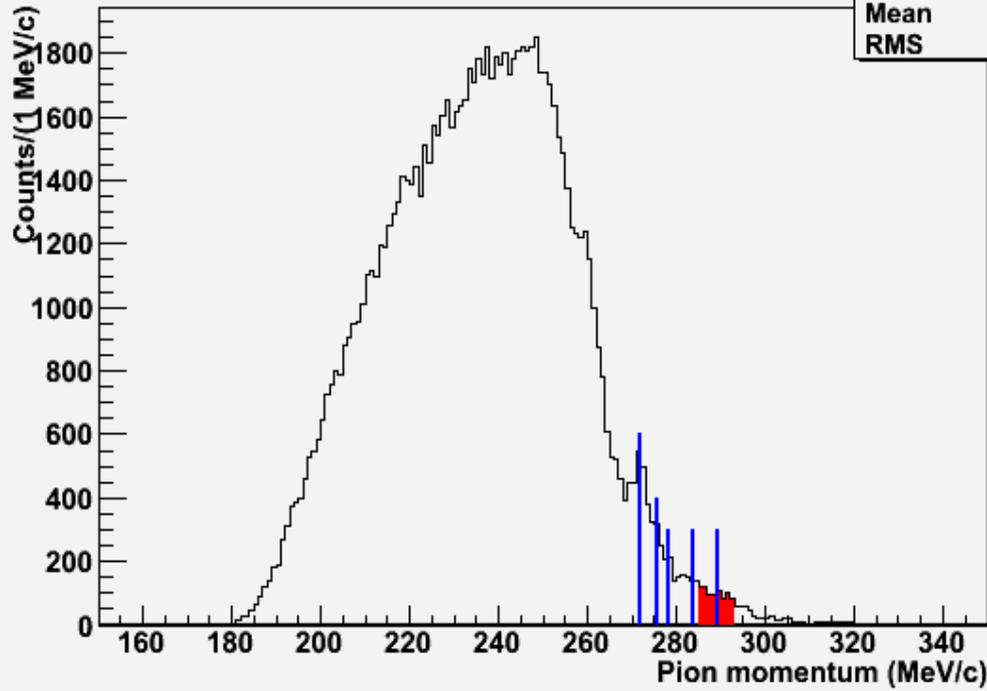


produzione FEB08

*produzione
APR08*



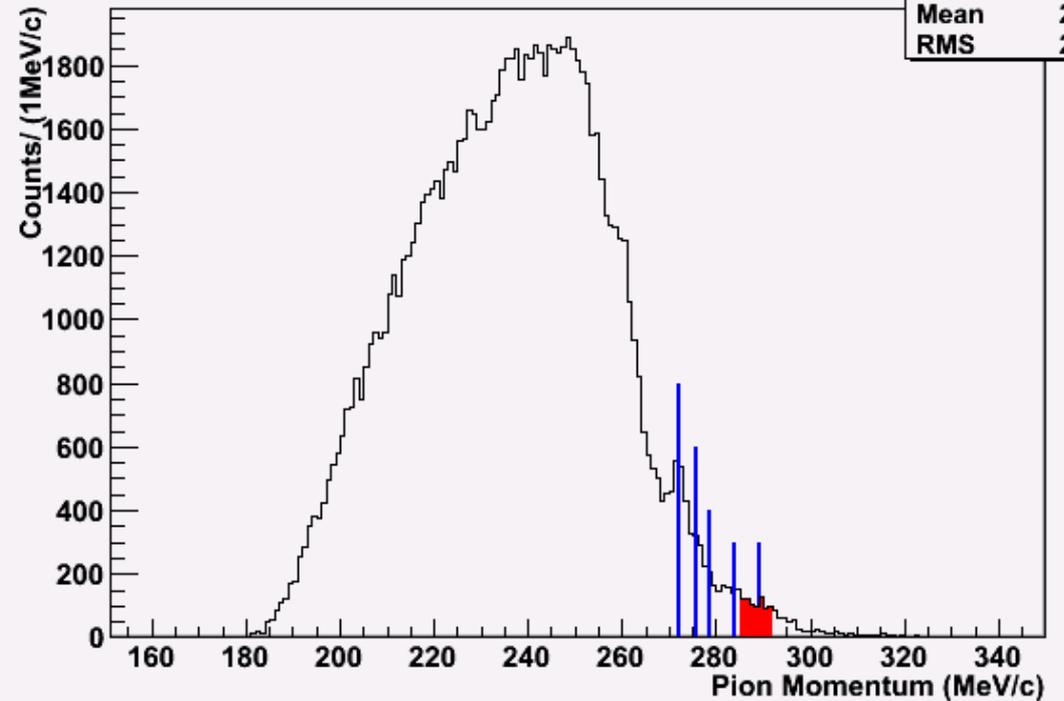
13C target

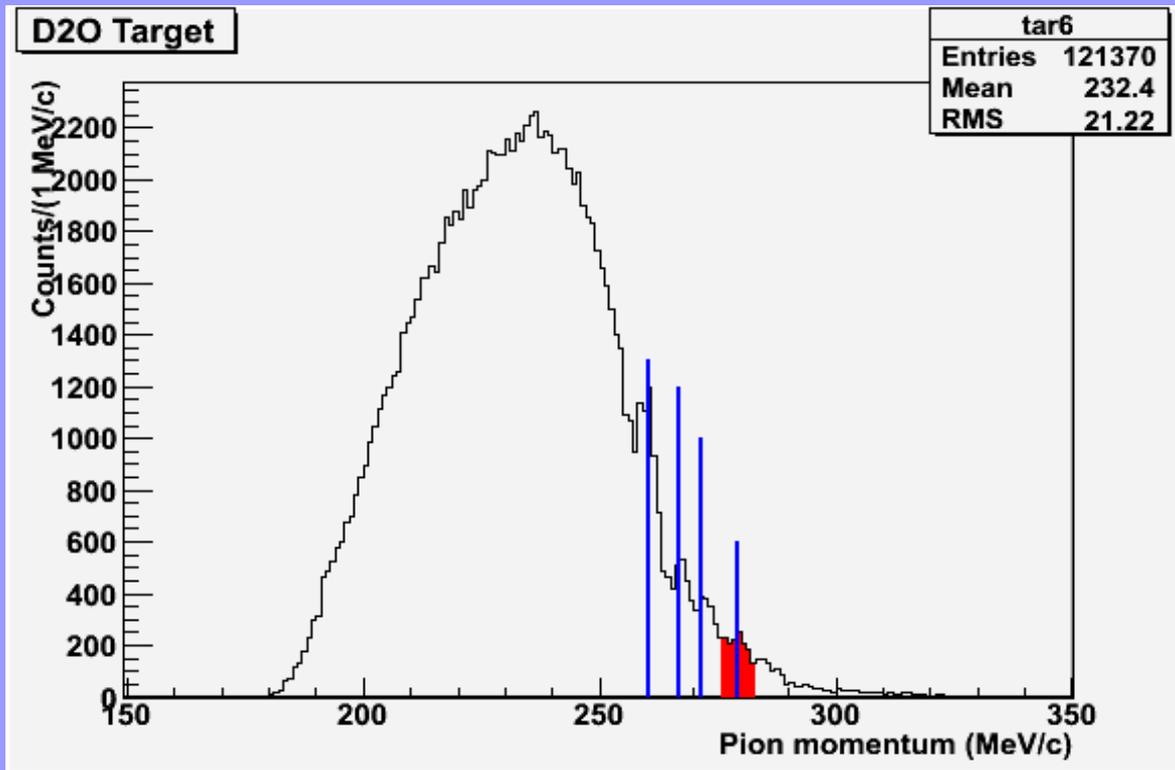


produzione FEB08

um 4 C13

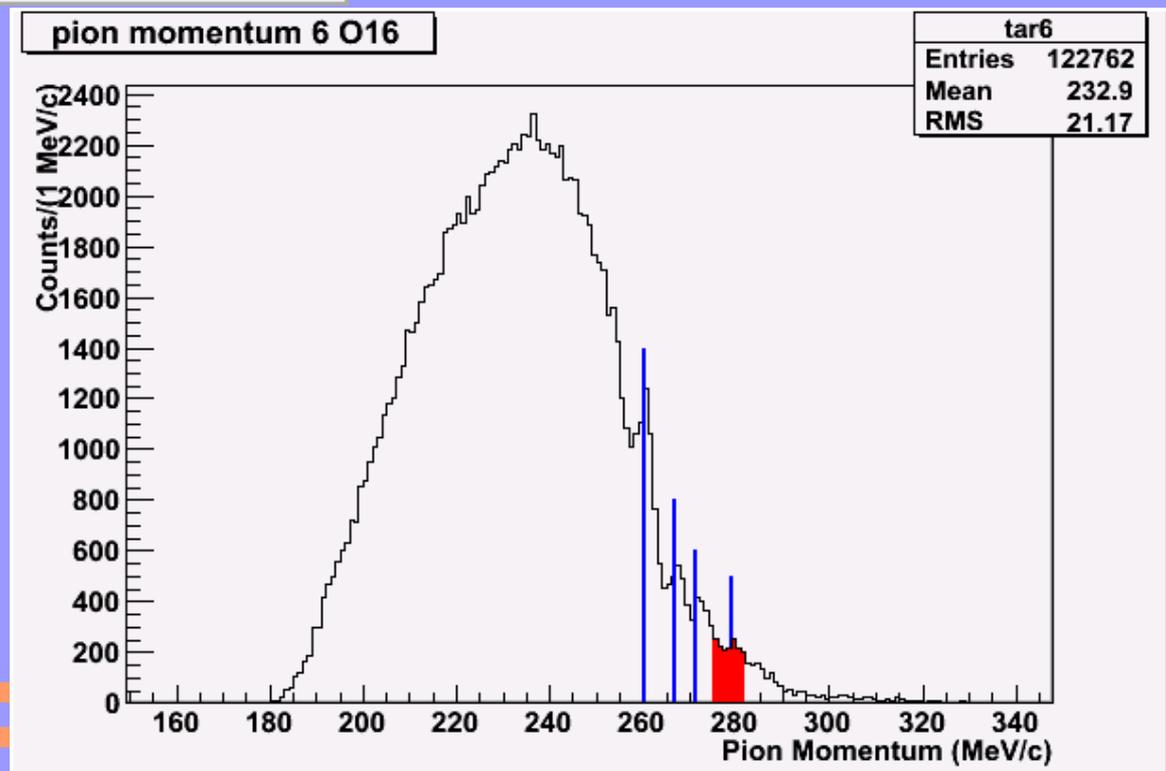
*produzione
APR08*

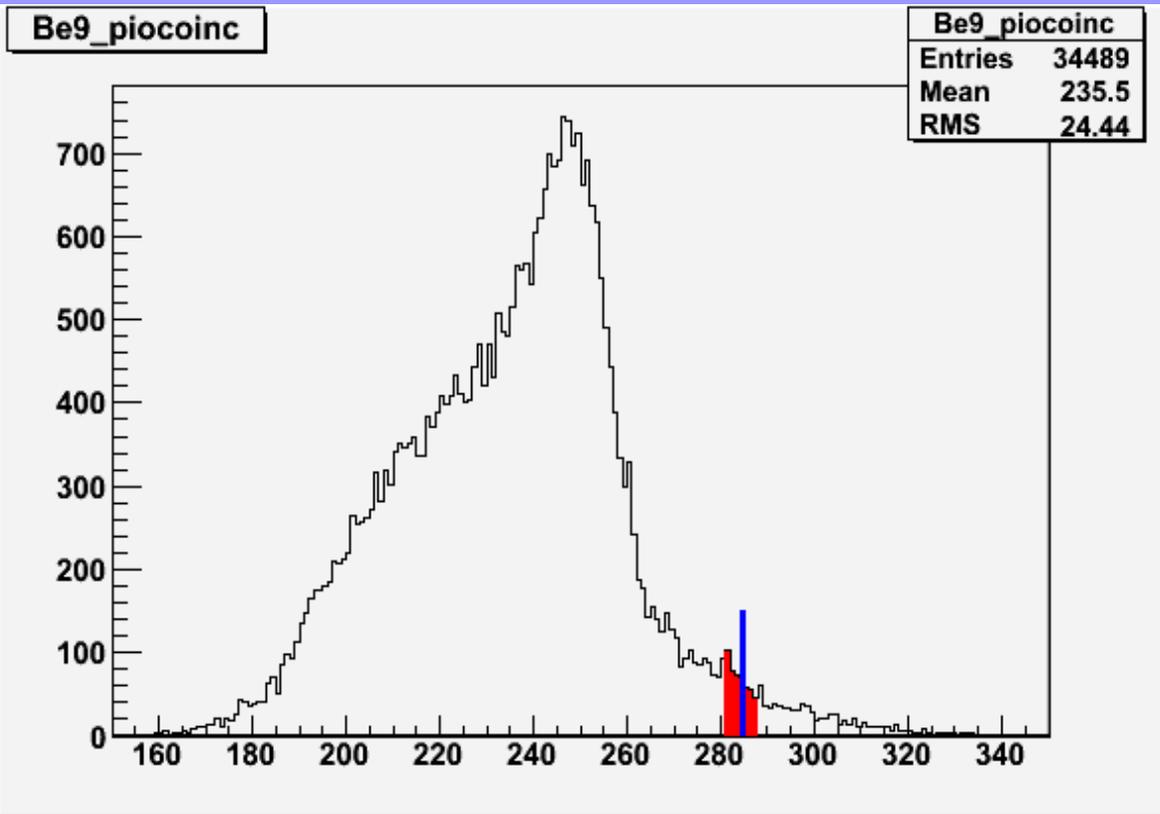




produzione FEB08

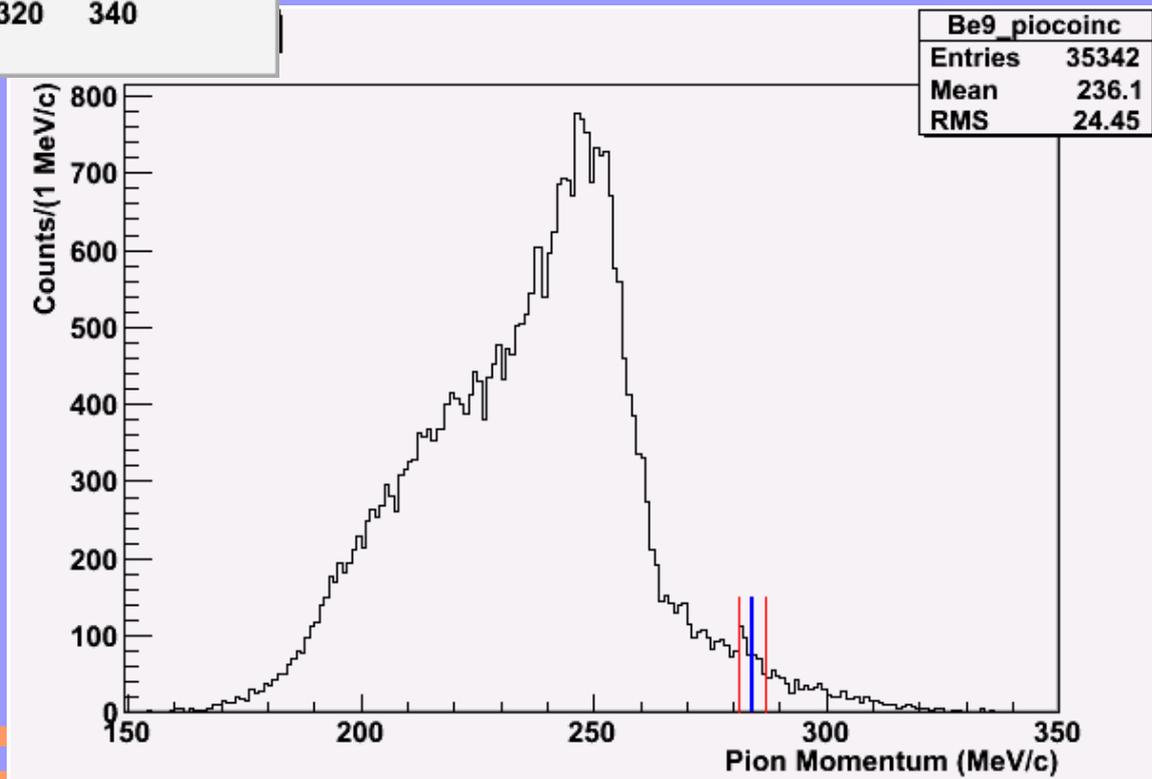
*produzione
APR08*





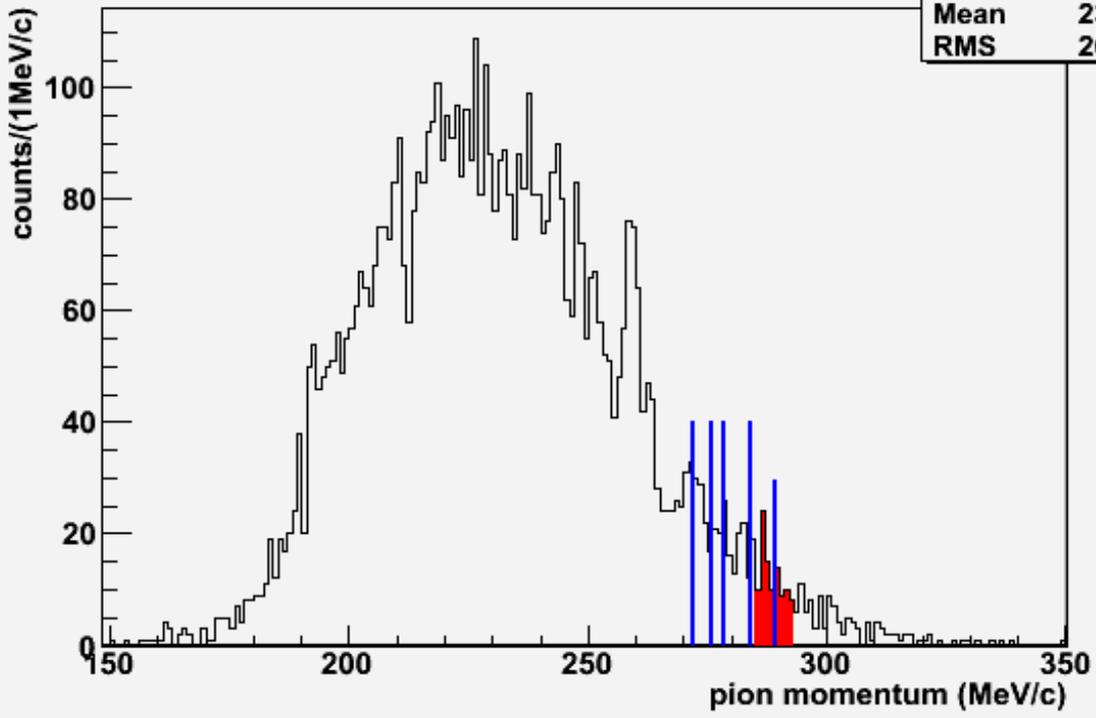
produzione FEB08

*produzione
APR08*



C13_piocoinc

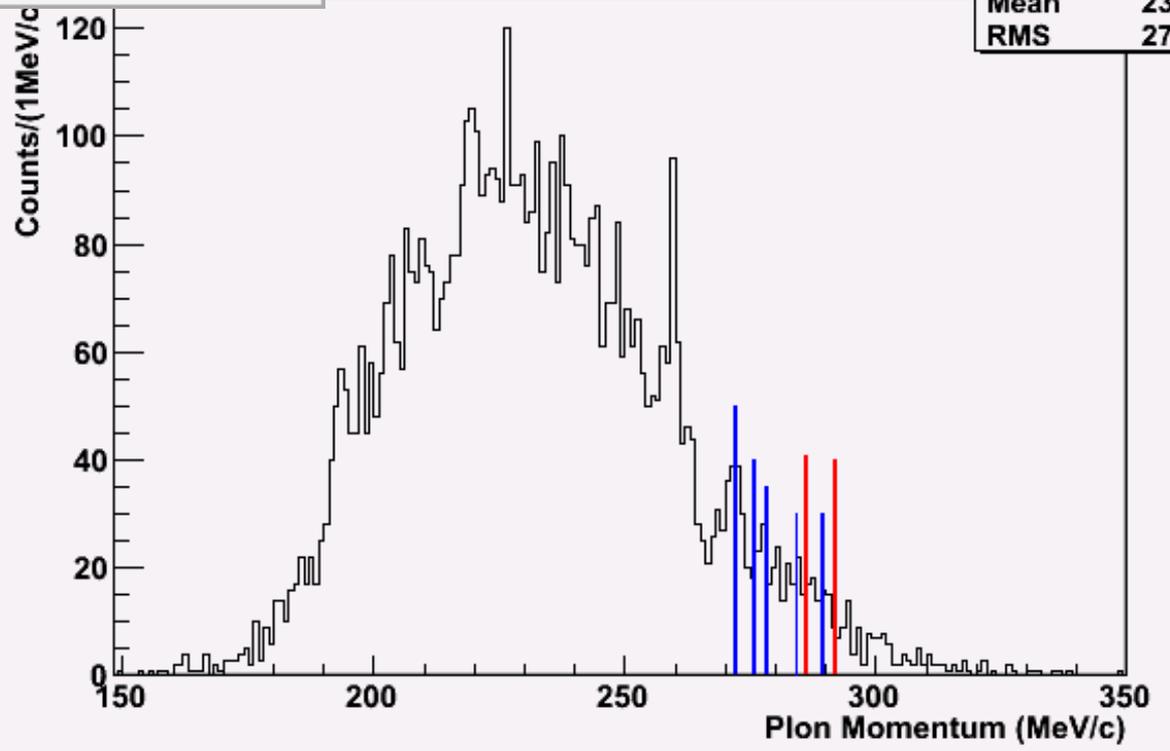
C13_piocoinc	
Entries	6250
Mean	231.5
RMS	26.89



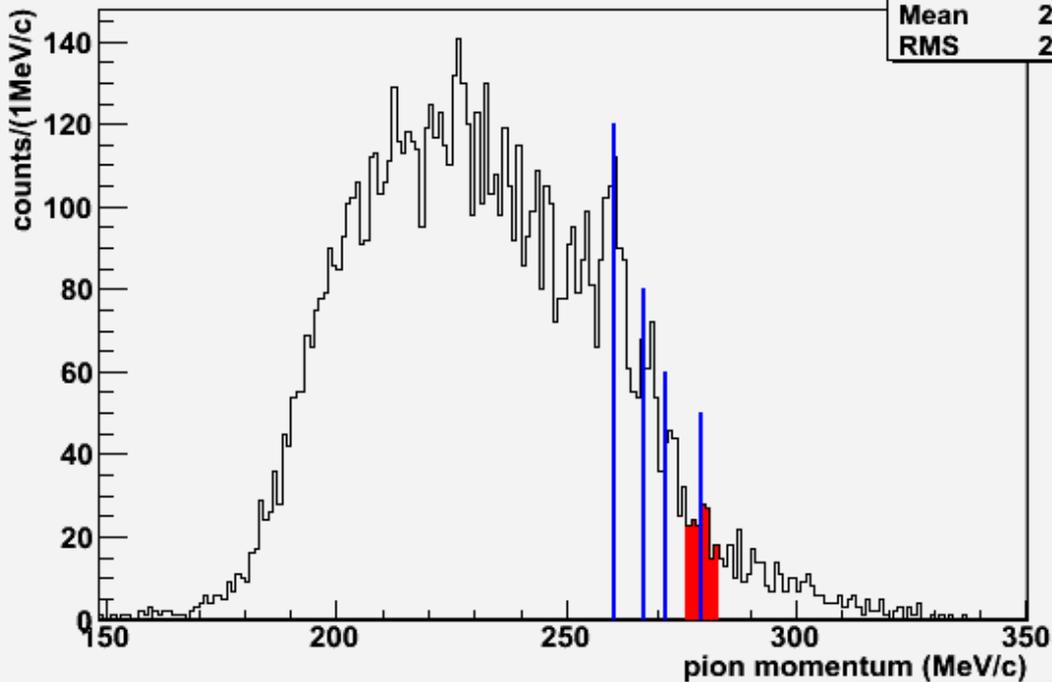
produzione FEB08

produzione APR08

C13_piocoinc	
Entries	6378
Mean	232.2
RMS	27.18



D2O_pi0coinc

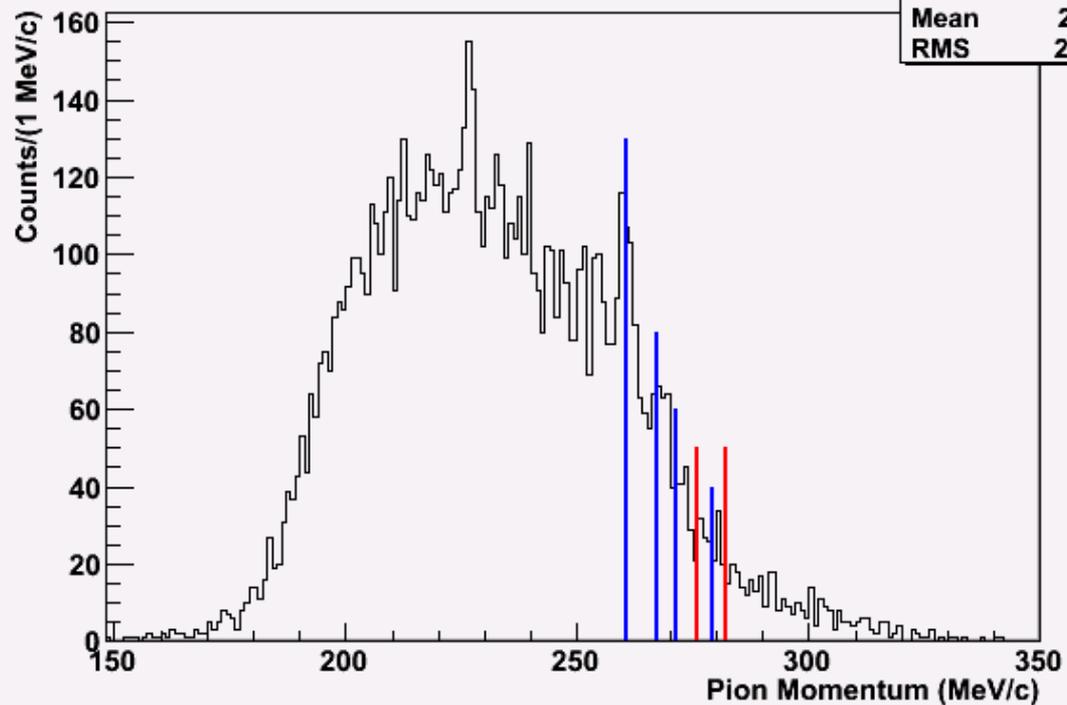


D2O_pi0coinc	
Entries	8738
Mean	231.8
RMS	27.48

produzione FEB08

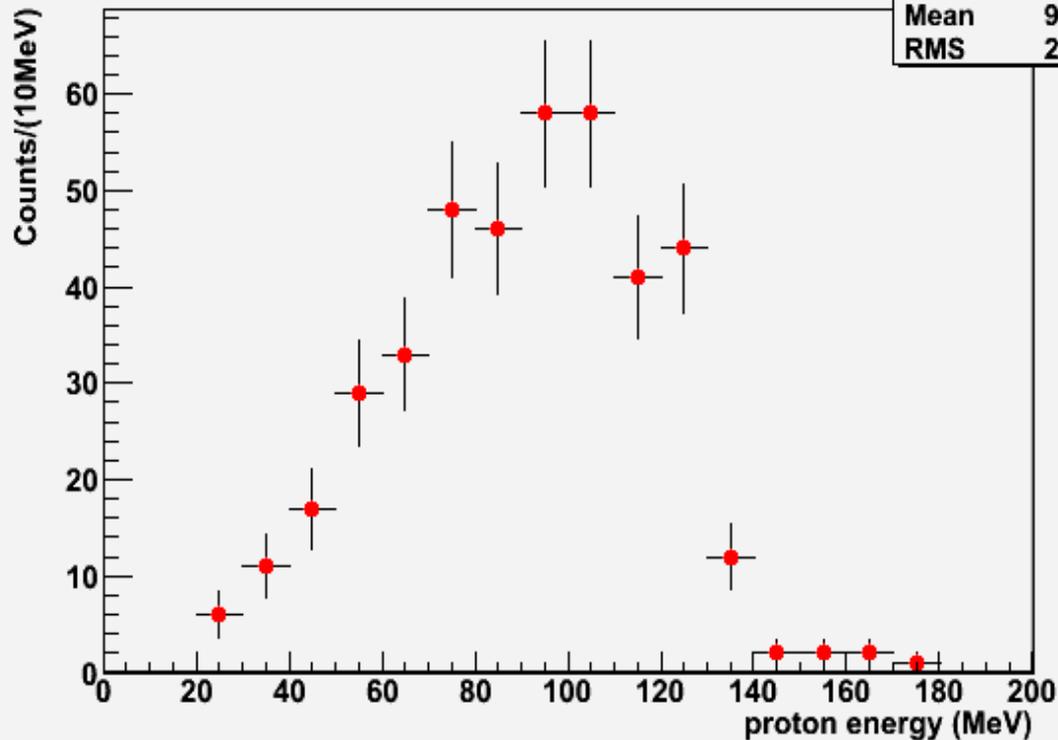
produzione APR08

D2O_pi0coinc



D2O_pi0coinc	
Entries	8866
Mean	232.1
RMS	27.49

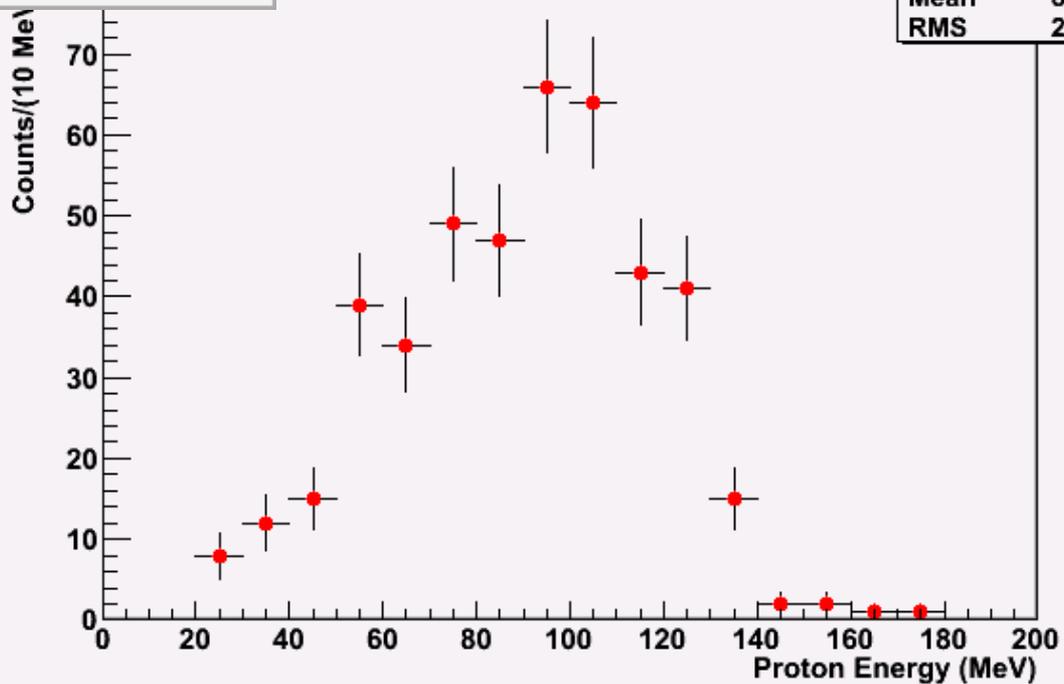
Be9_enprot



Be9_enprot	
Entries	411
Mean	90.23
RMS	27.37

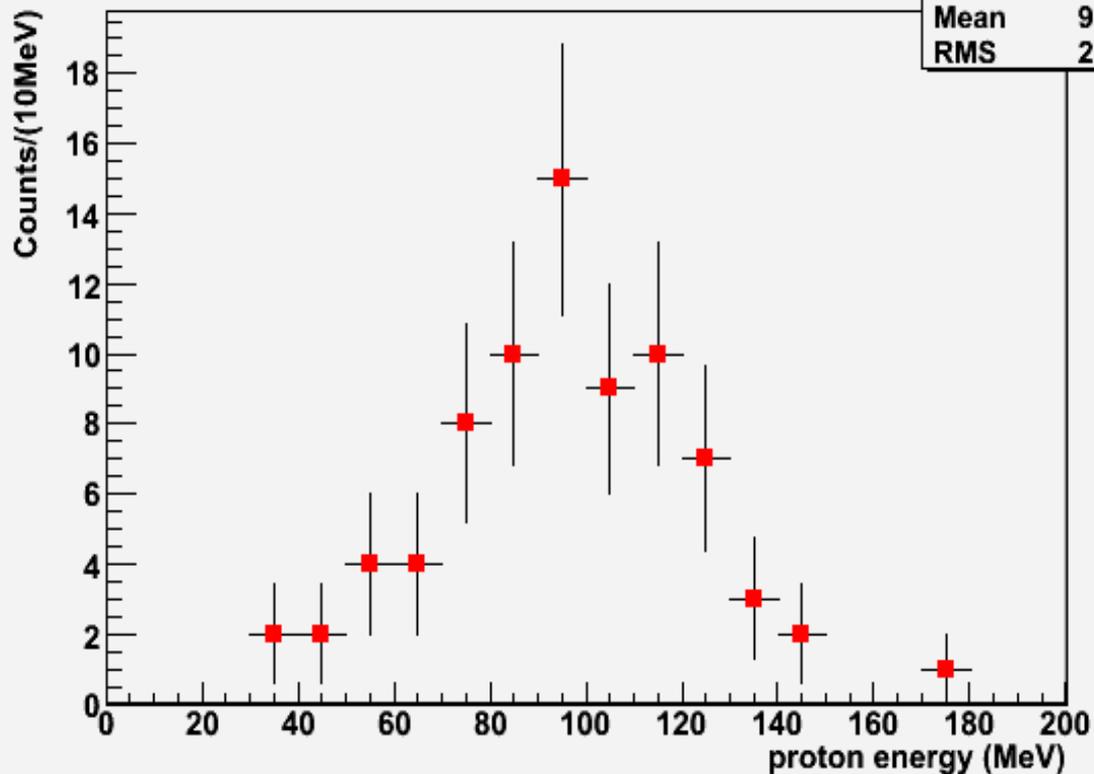
produzione FEB08

produzione APR08



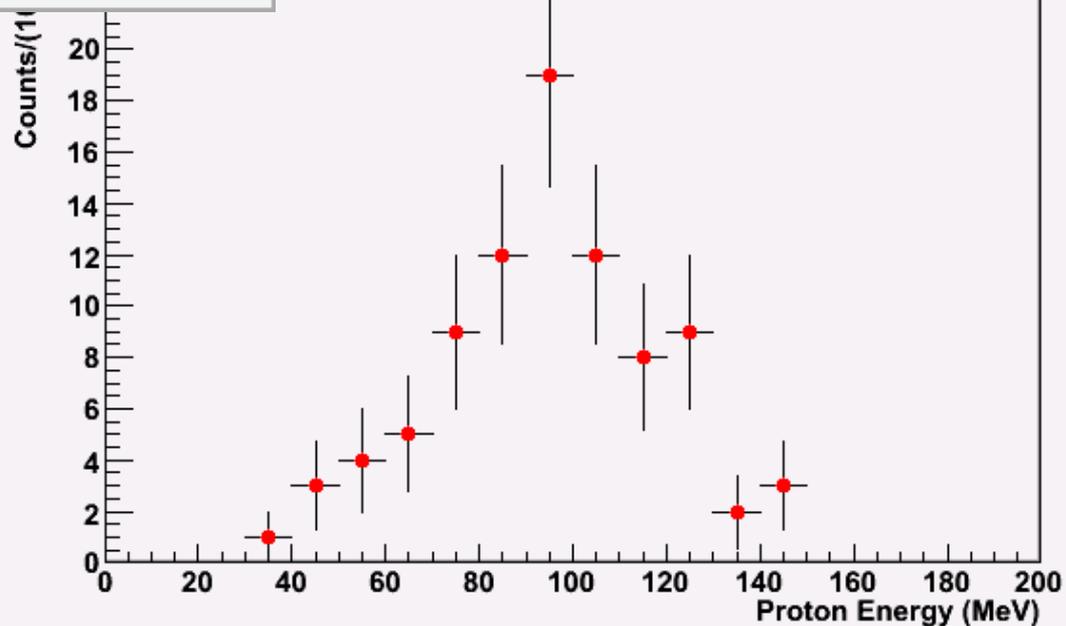
Be9_enprot	
Entries	439
Mean	89.52
RMS	27.46

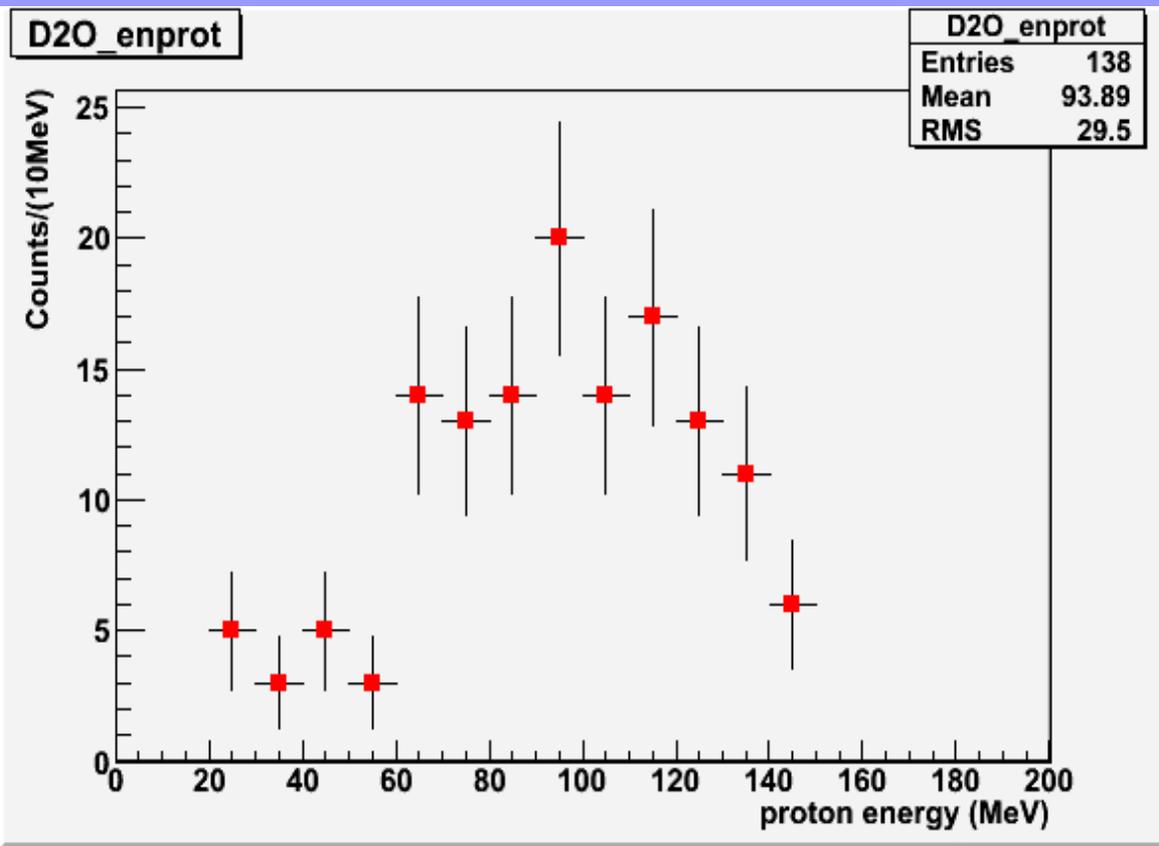
C13_enprot



*produzione
APR08*

produzione FEB08





produzione FEB08

produzione APR08

