

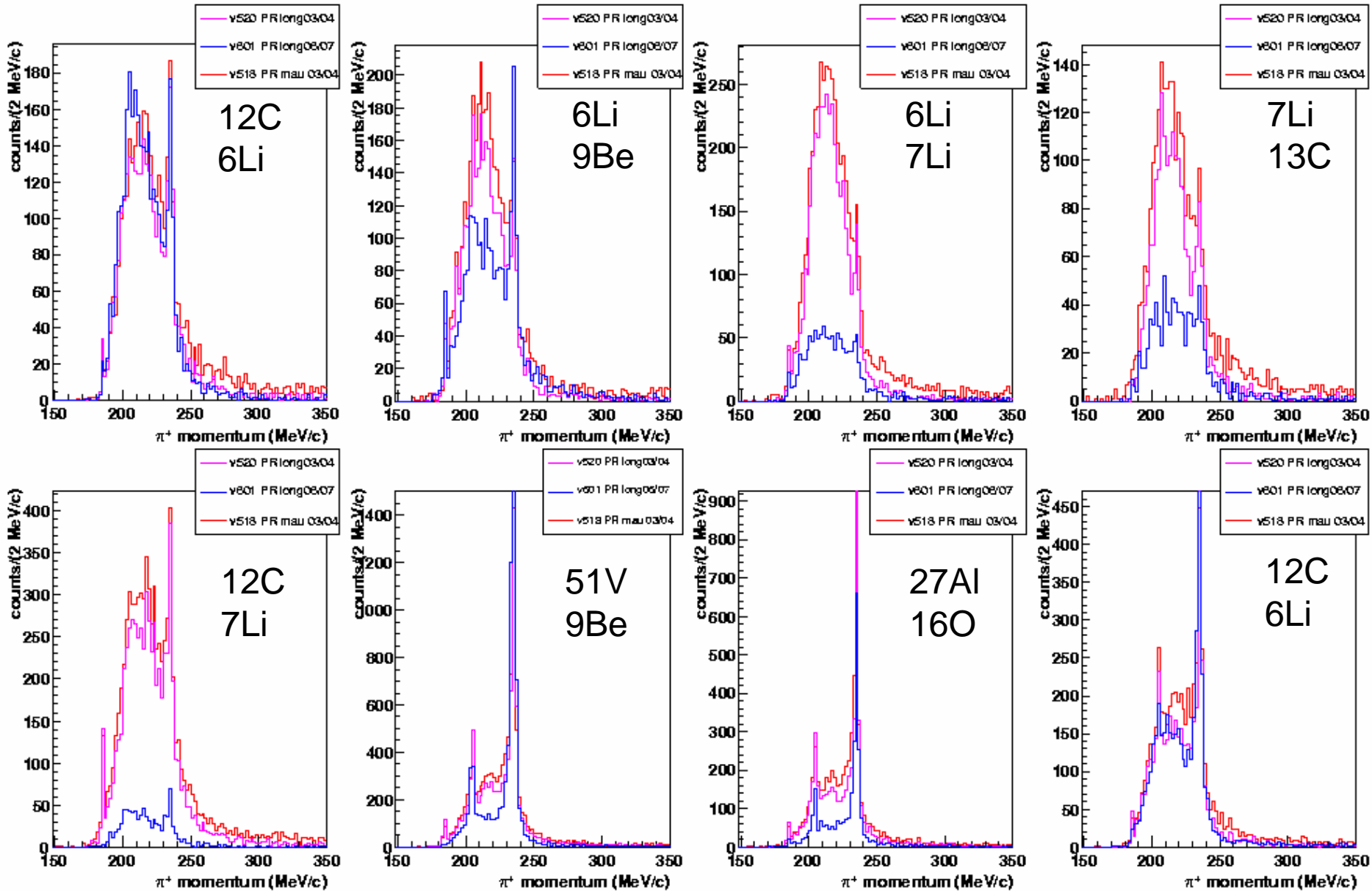
$\pi^+$  spectra

# Selections & Statistics

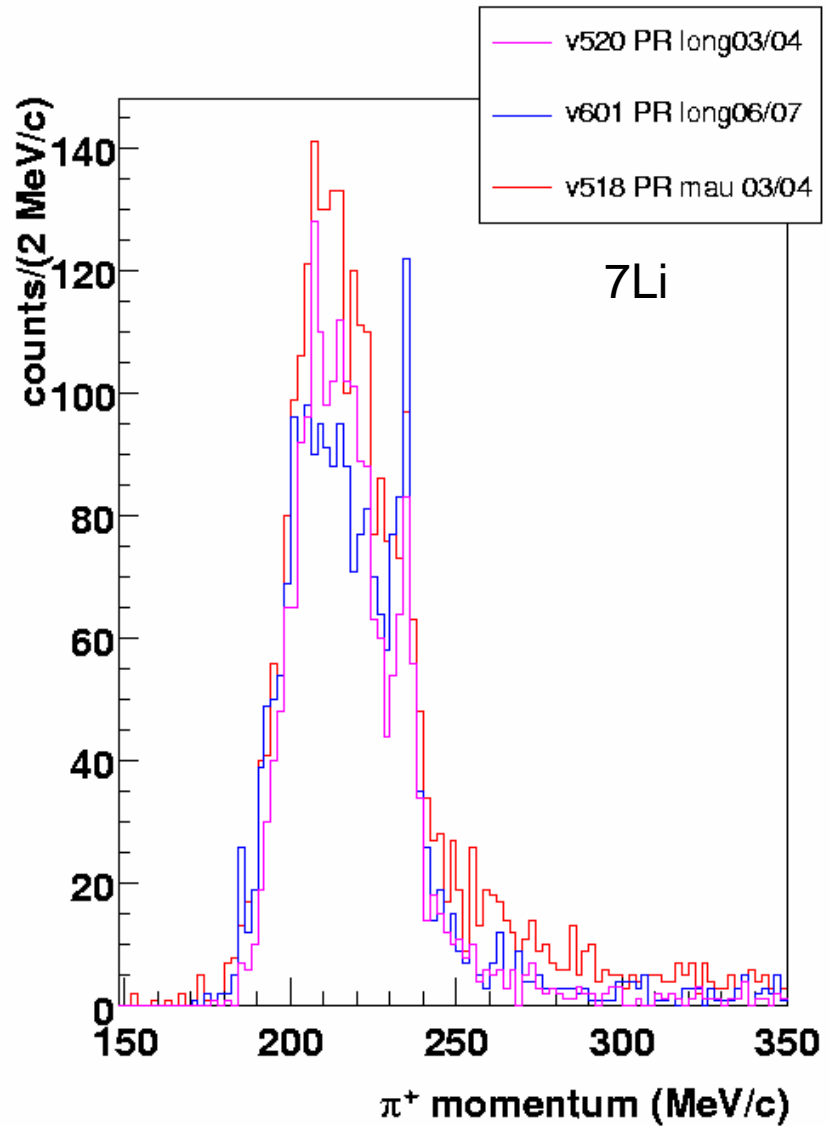
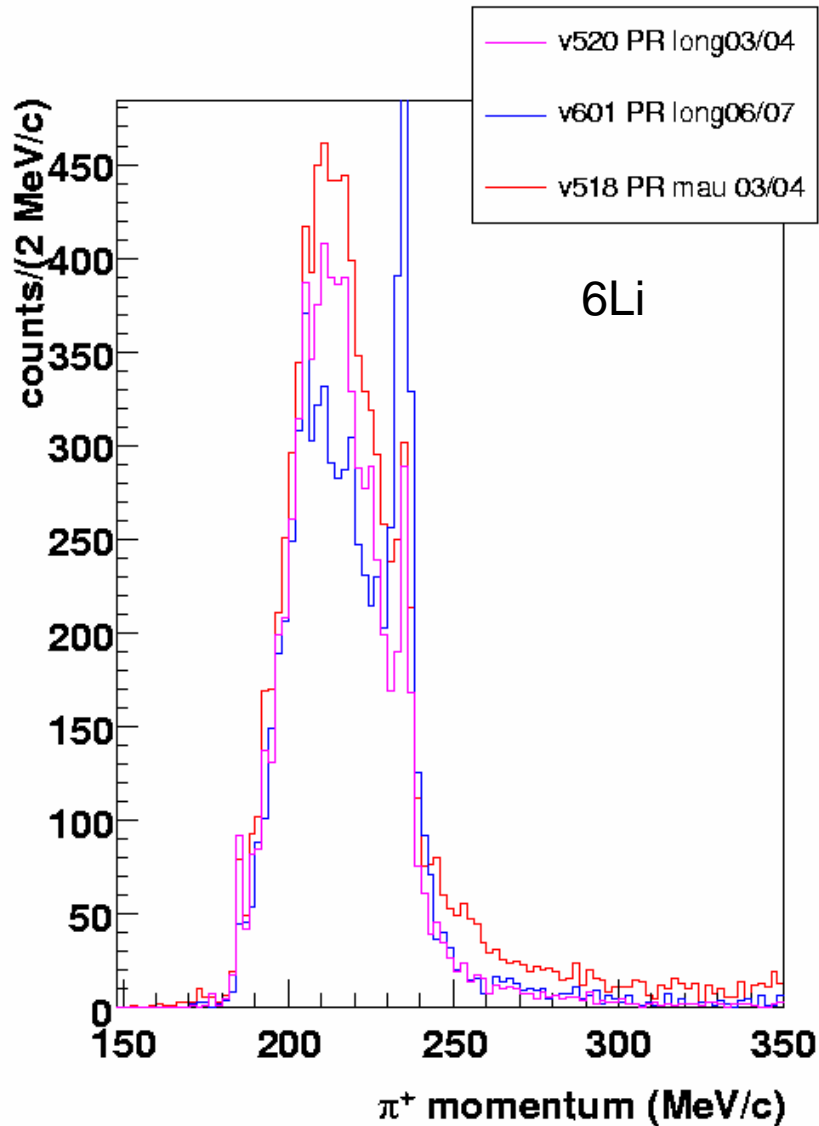
- DE/dx + Disvmin<0.2
- Tof not available yet
  - Comparison between 520-518(PR Mau) for 2003/2004 data taking and 601 prod (PR long) for 2006/2007 data taking
- Run: 3500-5999

	<b>518(529-2583)</b>	<b>520(529-2583)</b>	<b>601(3500-5999)</b>
Evs	35746587	35746587	45466790
Rec evs	25676984	29835912	32785735
<b>Target</b>	<b>K- stop</b>	<b>K-stop</b>	<b>K-stop</b>
1	1187480	1385928	1403995
2	1319260	1531692	1846719
3	1522405	1770249	812683
4	1117507	1301194	1381759
5	1926880	2240735	883351
6	1779942	2075371	1816657
7	1316003	1532412	1413665
8	1036685	1215426	1357183

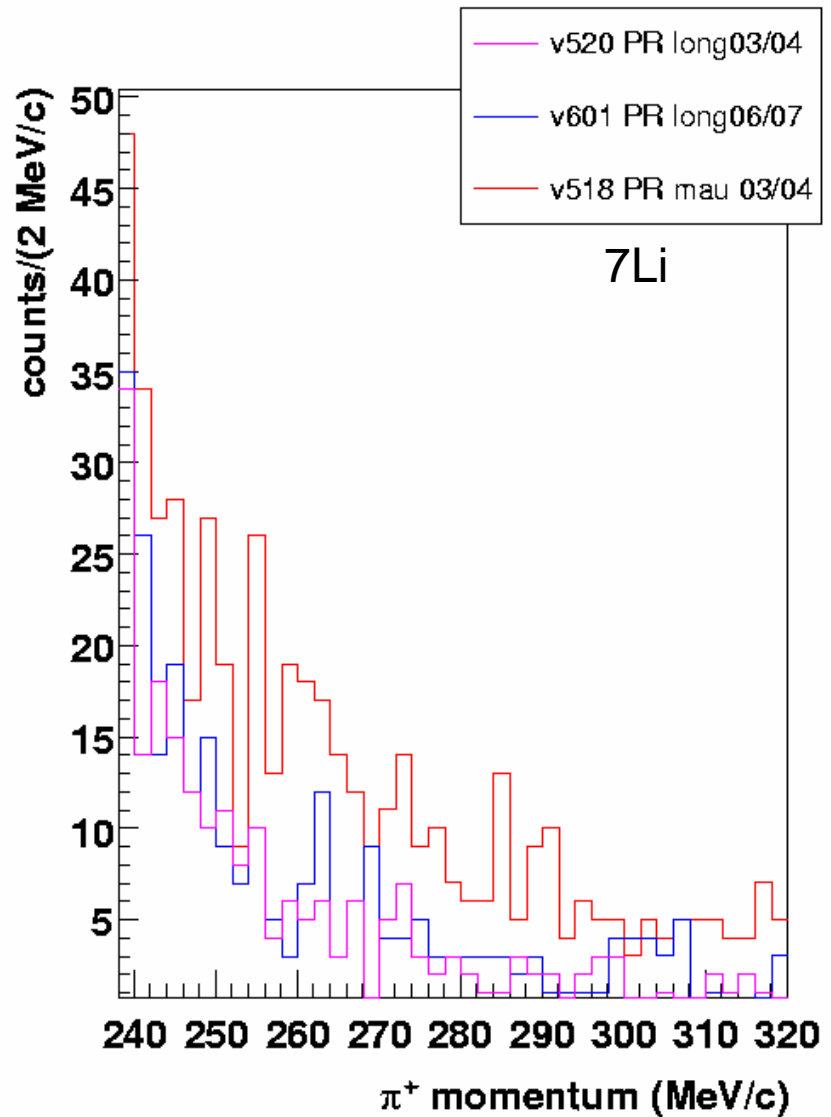
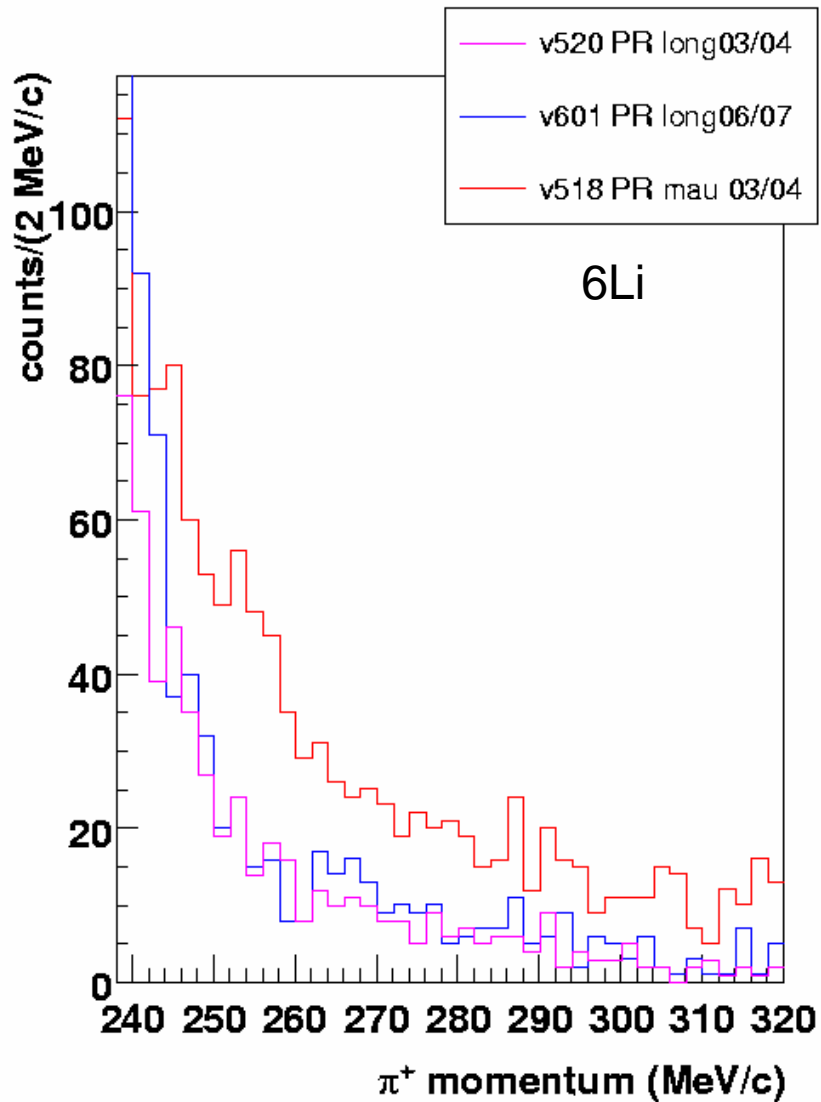
# Systematic



# Li: Shape & Statistic



# ROIs Zoom



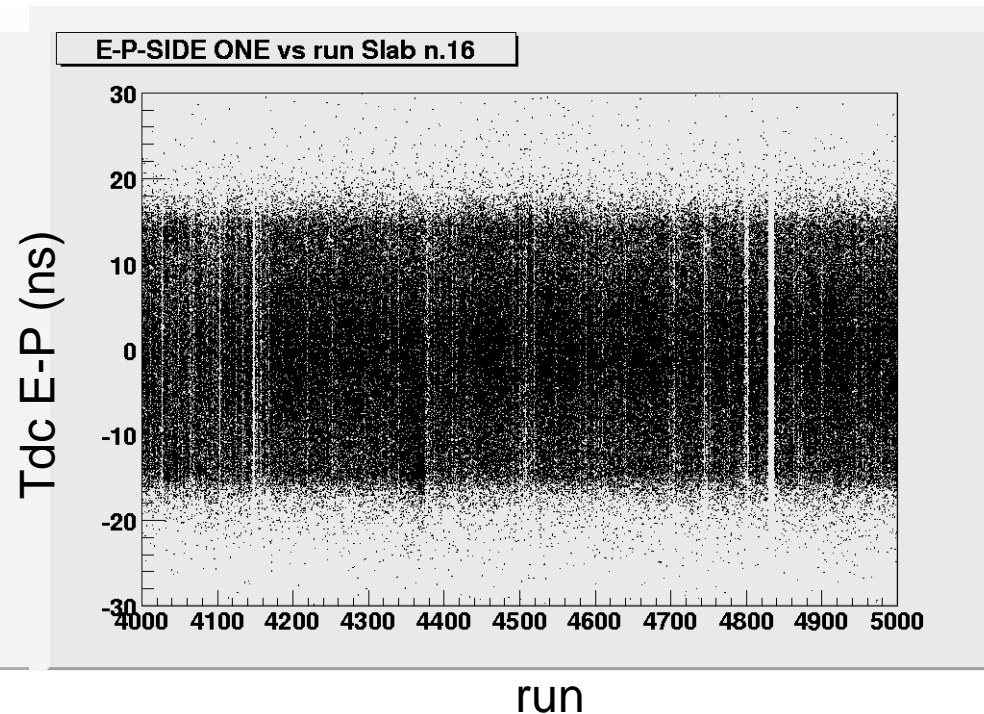
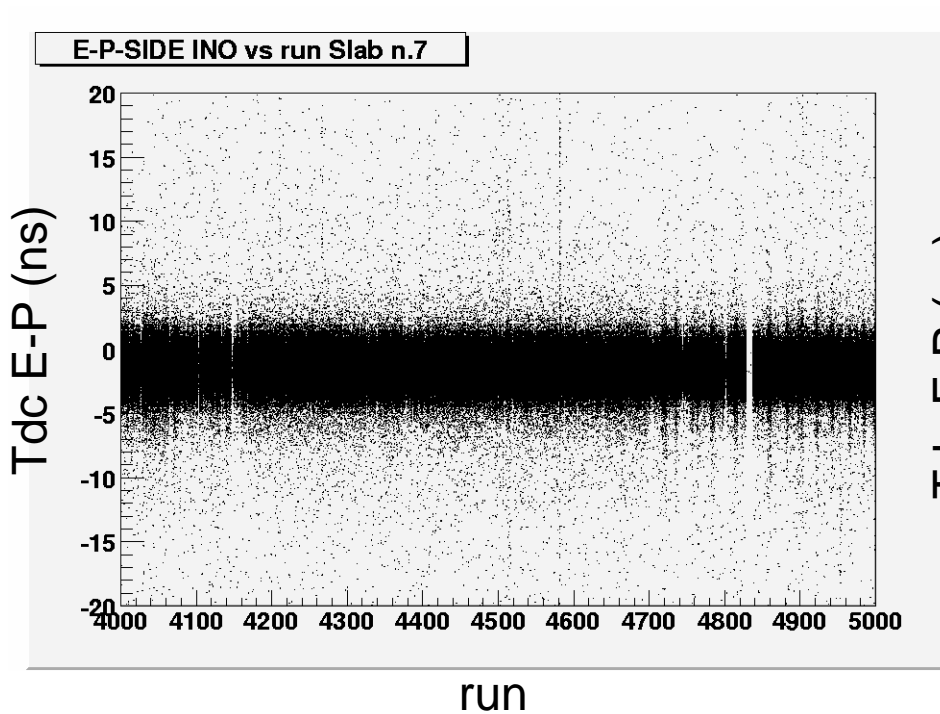
TOF

# aim

- Refine t0 laser calibrations using FINU and COSM run
  - Tofone t0 corrections (  $\sim 1-2\text{ns}$  )
  - Tofino t0 corrections ( $>1\text{ns}$ )
- Offset: common stop FINU-Laser
  - bhabha events (  $\sim 20\text{ns}$  )
    - Mu+,gamma test

# Tdc E-P (ns)

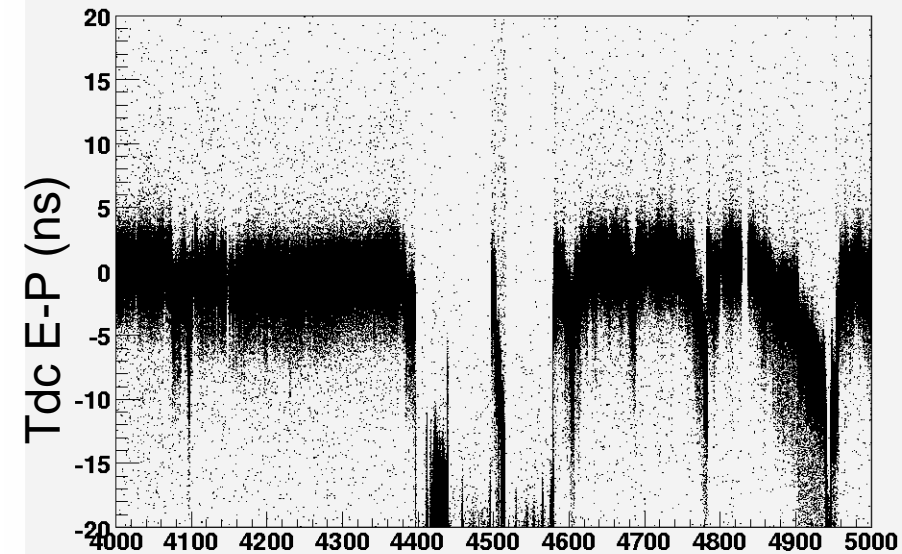
- selection:
  - Tofino: z of isim hit [-5,5] cm (run FINU)
  - Tofone: z of TRIPLET [-50,50] cm (according to available statistic) run COSM (or Bhabha events)
- determination of one correction for each slab (no need of Miniut)





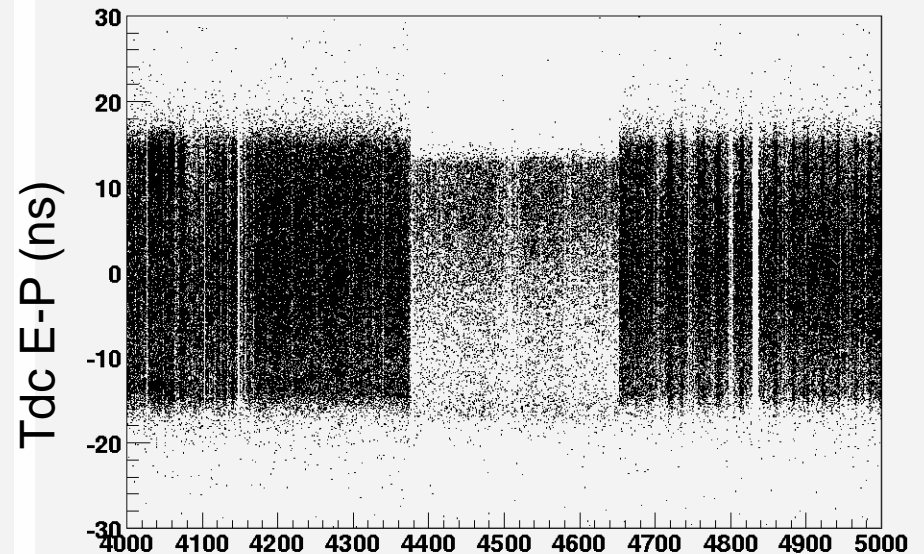
# some “critic” case

E-P-SIDE INO vs run Slab n.8



run

E-P-SIDE ONE vs run Slab n.18



run