Muons in ThumbNail

$Z \rightarrow \mu\mu$ sample (619 events)
3 different tmbfiles (each 500 events)

recoed (d0reco) with
p13.02.00, p13.04.00 and **p13.05.00**

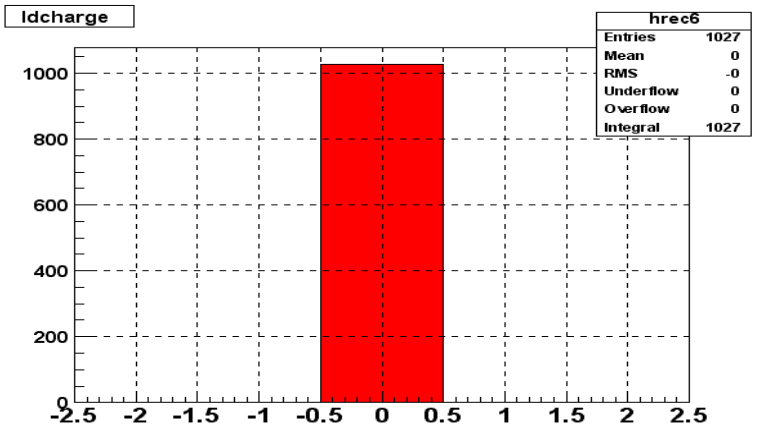
muo_analyze to create ntuples fo both: **DST** + **TMB**
MUONID branch

branches from different ntuples are merged to be compared

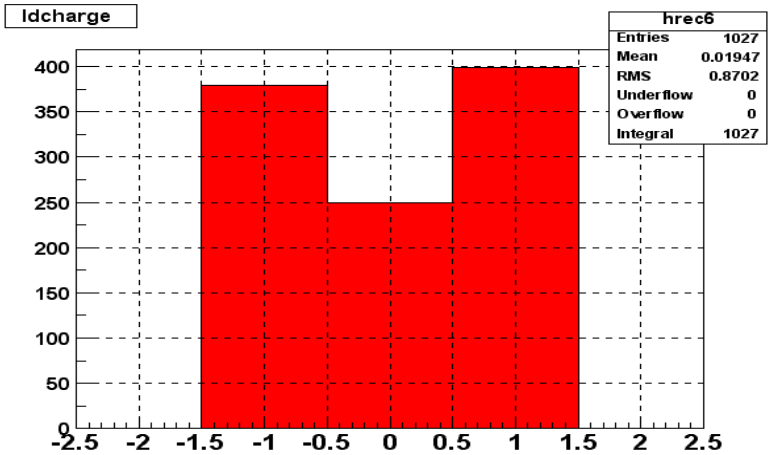
charge of Muon

for **p13.02.00**_tmbfile

unpacked in p13.04.00

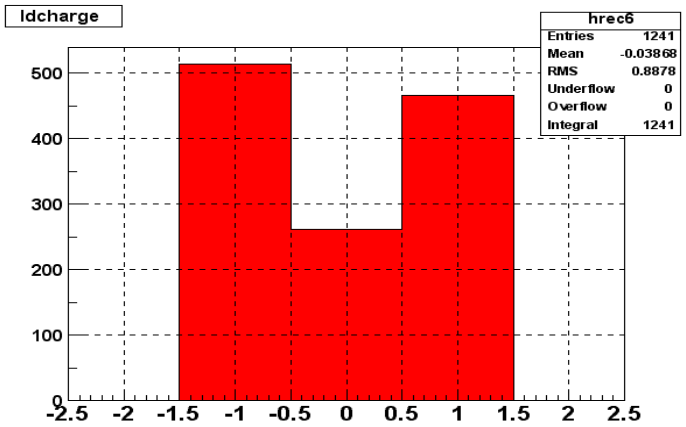


unpacked in p13.05.00 (bugfix)

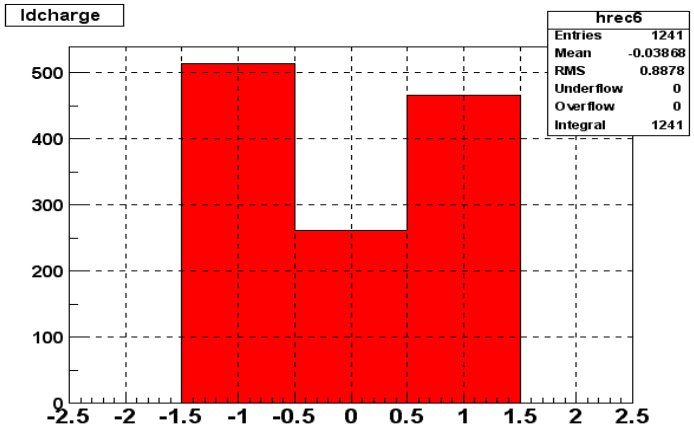


for p**13.03.00**_tmbfile

unpacked in p13.04.00



unpacked in p13.05.00

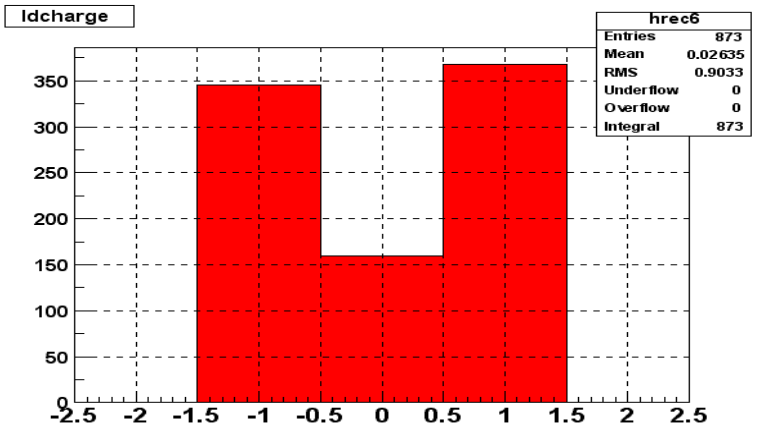


der

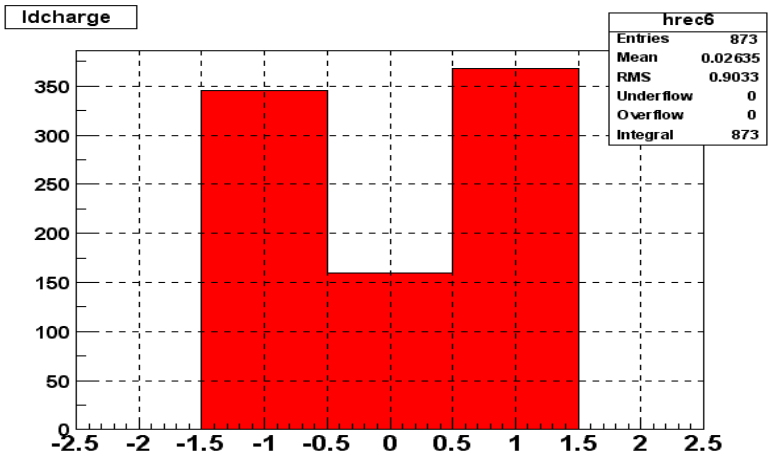
charge of Muon

for **p13.04.00**_tmbfile

unpacked in p13.04.00

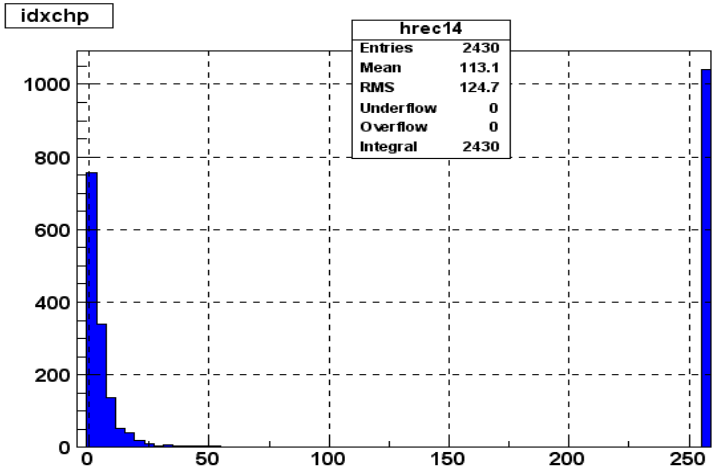


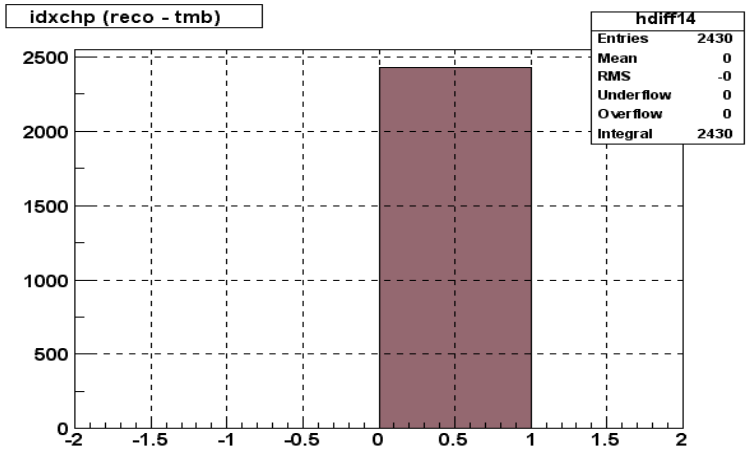
unpacked in p13.05.00



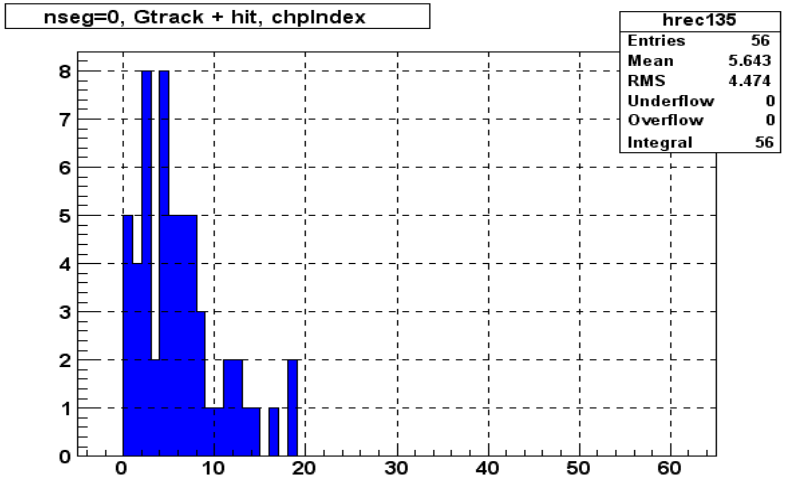
chpIndex = index of matching ChParticle

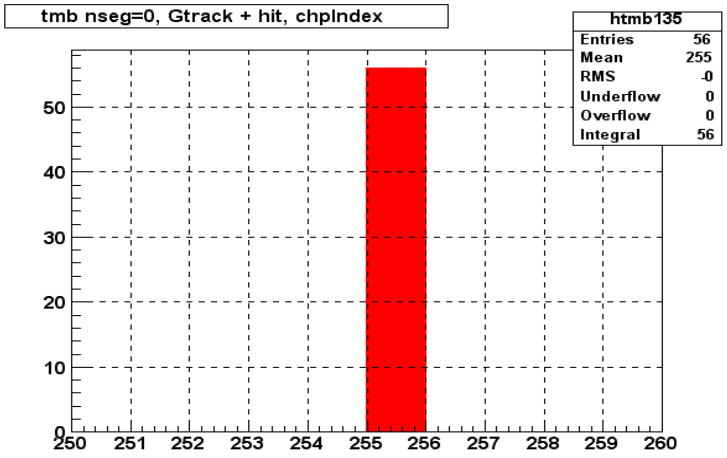
from **p13.05.00** forward fine:





for lower versions (will be recovered in MuoCandidate p13): nseg = 0, 2 not correct



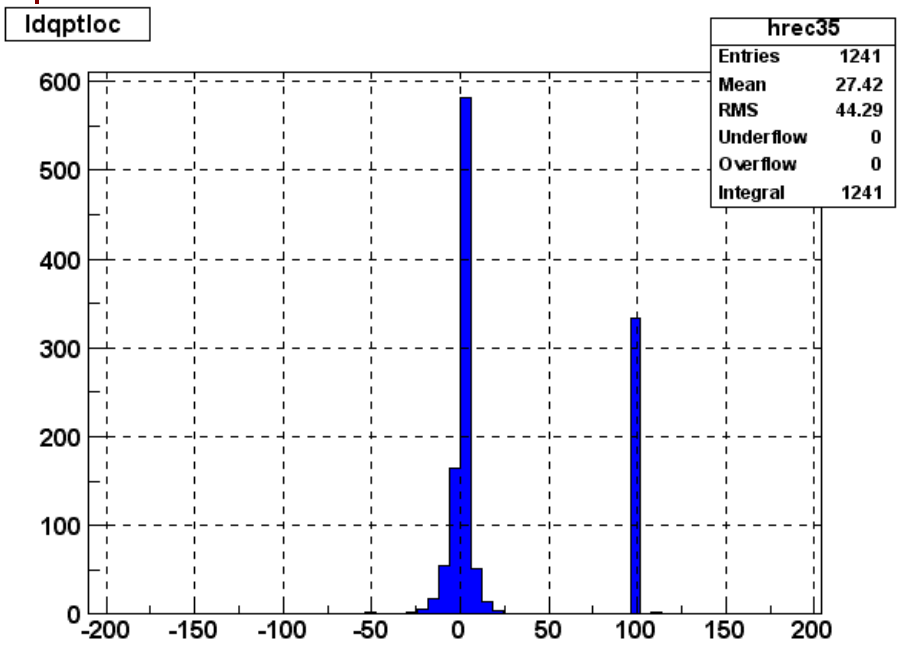


Meta Binder

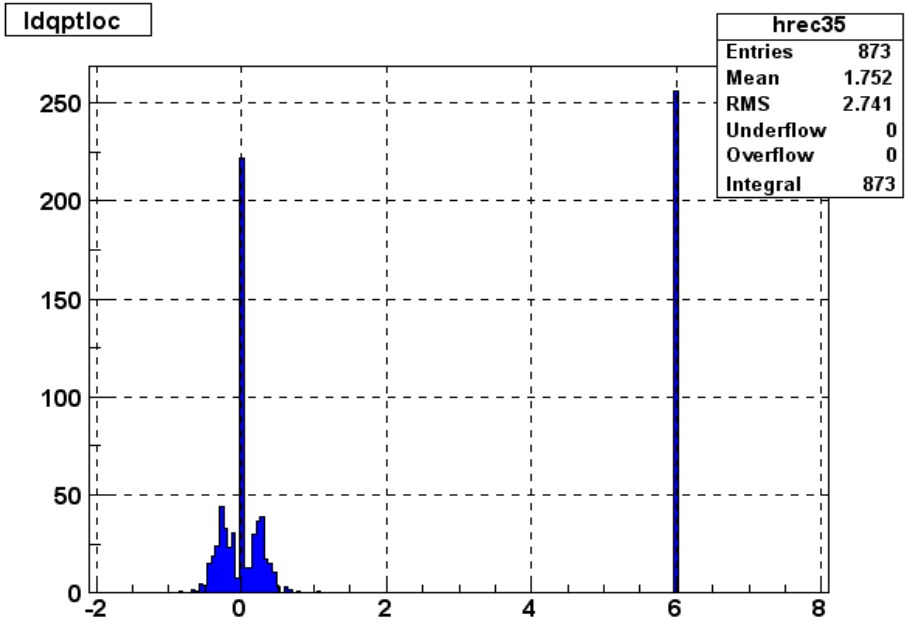
qptloc (in Muon system only)

from p13.04.00 forward different meaning: changed from **q*pt** to **q/pt**

p13.02.00, p13.03.00 : qptloc = q*pt



p13.04.00 : qptloc = q*pt



Summary and Outlook

changes and fixes are included in p13.04.00 and p13.05.00
Muon information is correct in terms of the d0om packing

for p14:

Muon hits will be included in TMB