HMPID in LHC10h Pass2
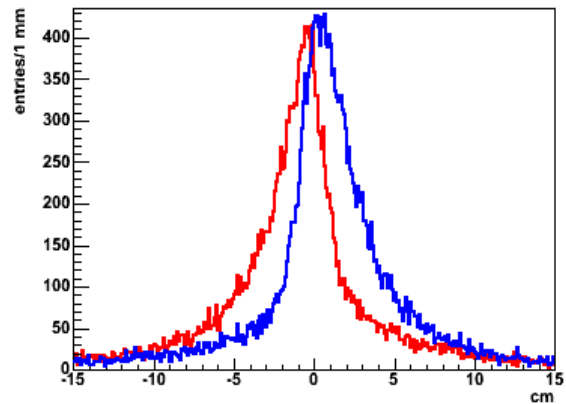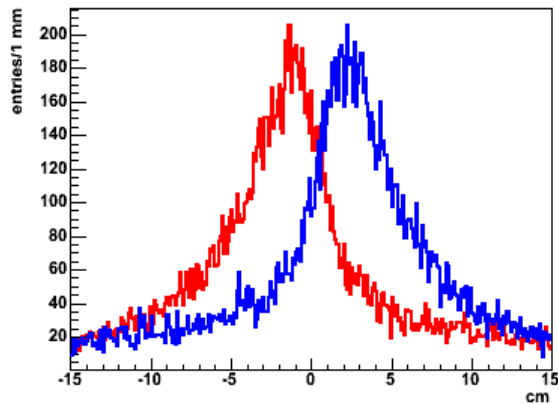
G. Volpe

DeltaY chamber 6

DeltaY chamber 5
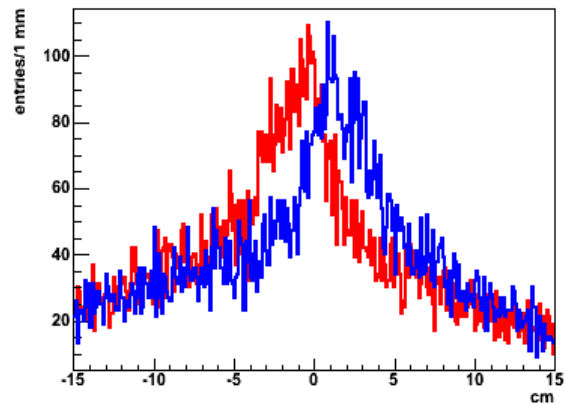
positive

negative

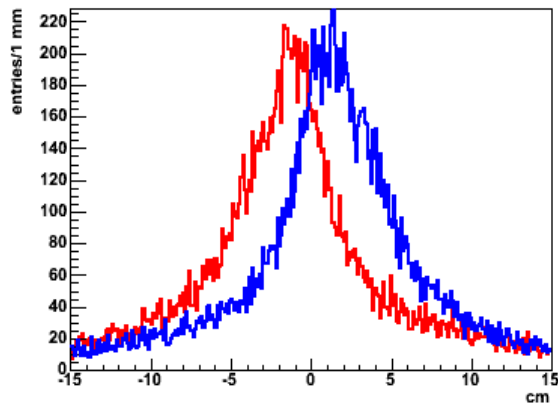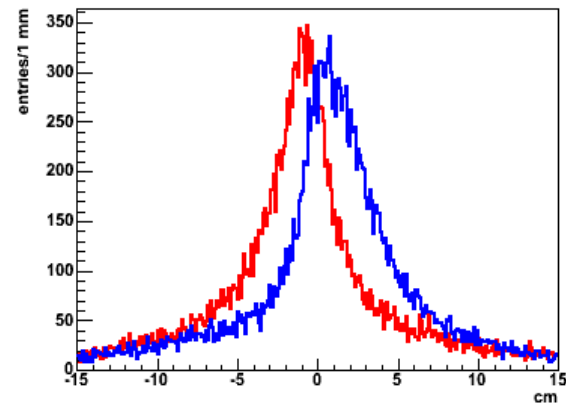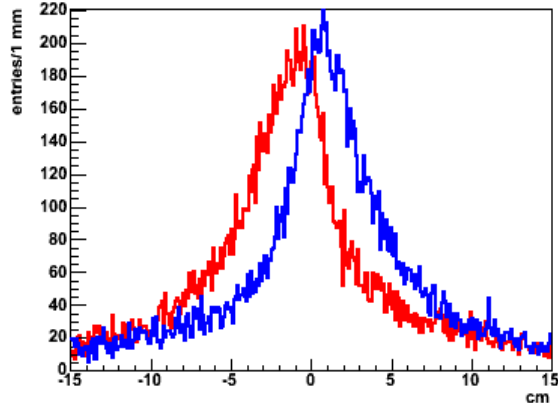Run 137366

Local (Ytrk - Ymip)

DeltaY chamber 4

DeltaY chamber 3

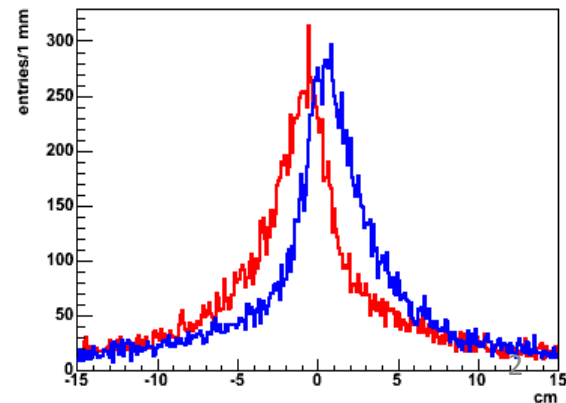DeltaY chamber 2

B--

DeltaY chamber 1

DeltaY chamber 0

Positive
Negative

Pb-Pb data, run 137366, LHC10h, B--

Run 137366

Mean Delta Y (cm)

module

3

DeltaY chamber 6

DeltaY chamber 5

positive

negative

p > 2 GeV/c

Local (Ytrk - Ymip)

Run 137366

DeltaY chamber 4
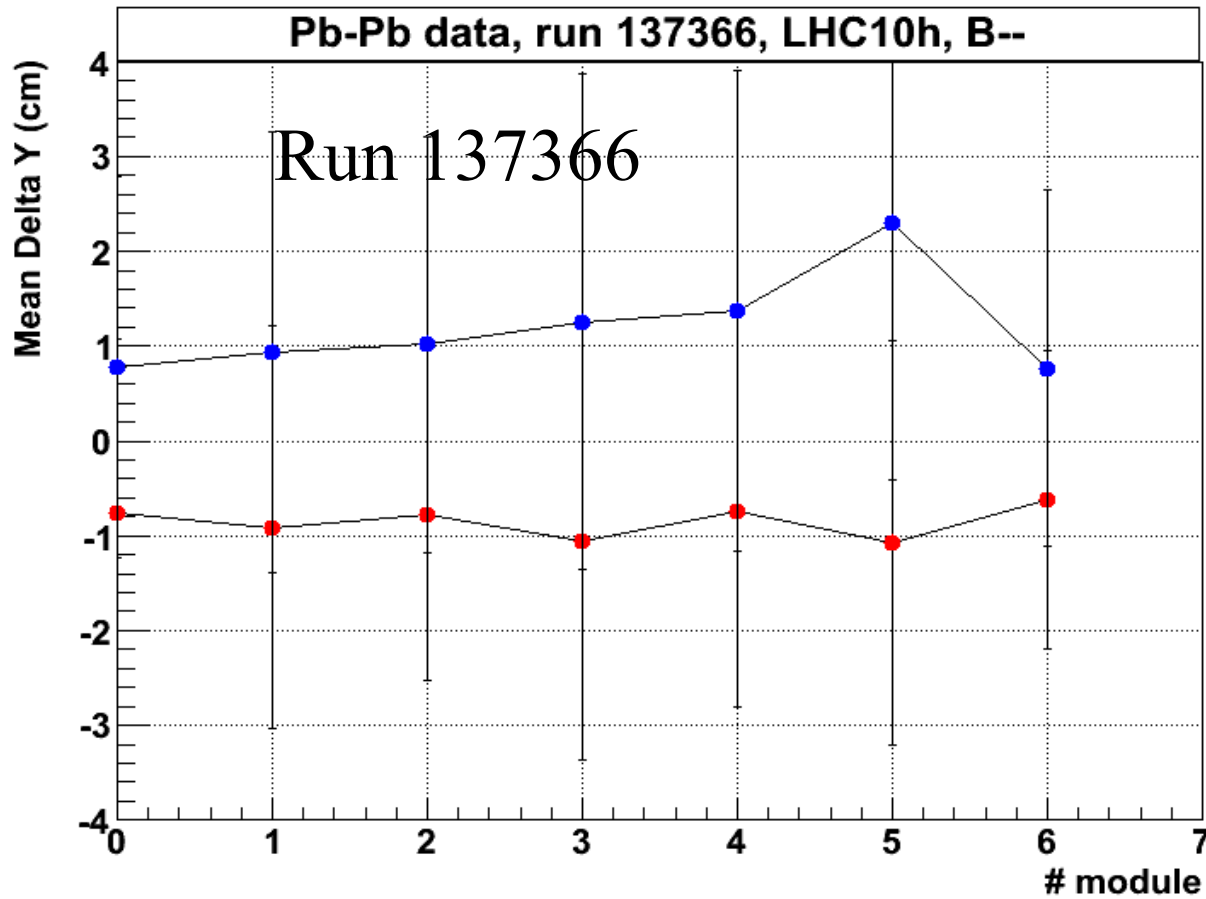
DeltaY chamber 3
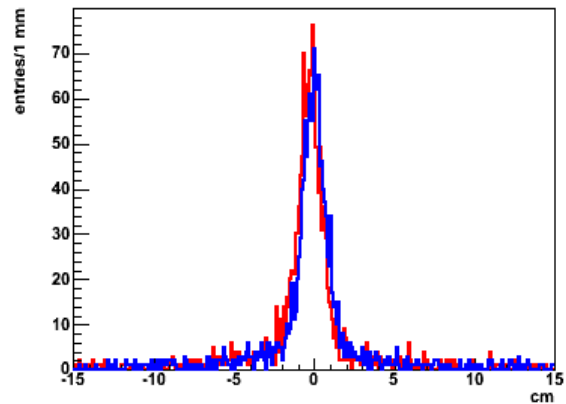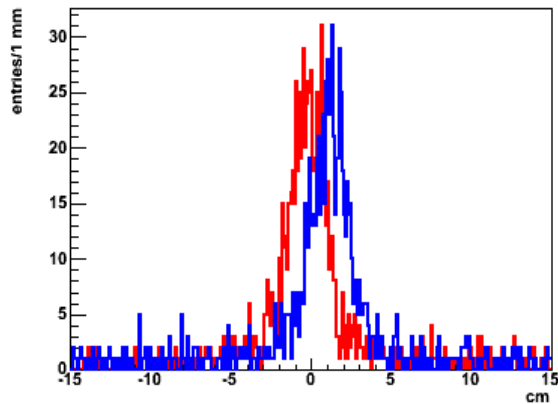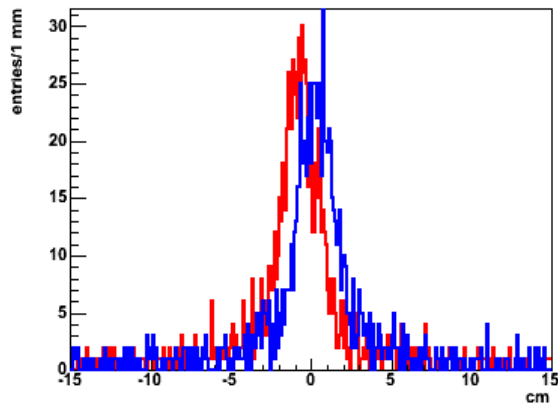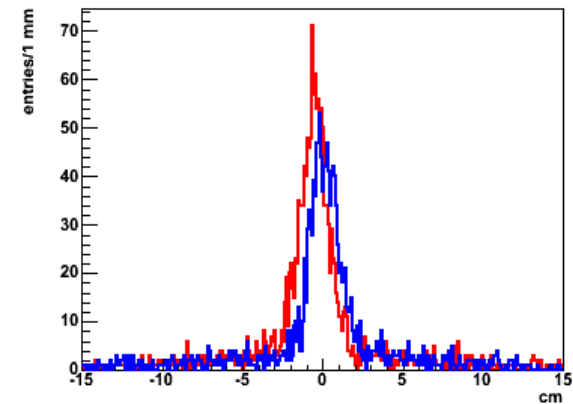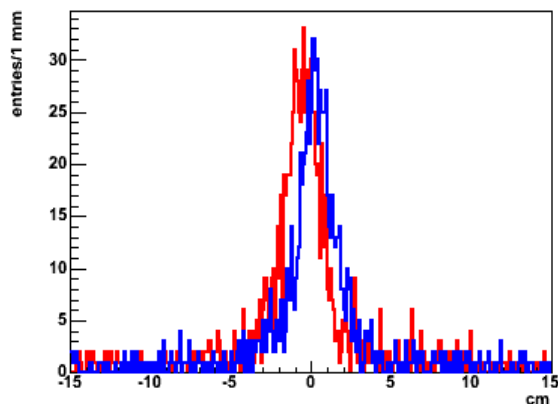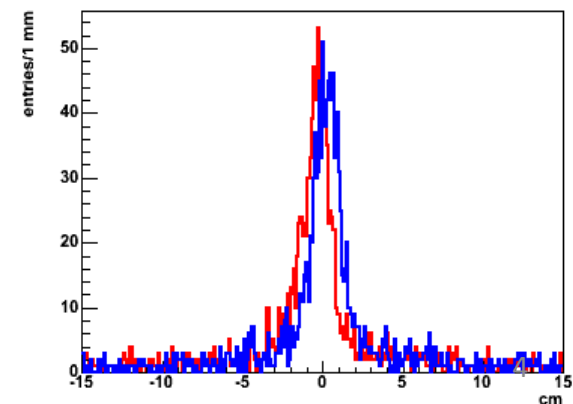
DeltaY chamber 2

B--
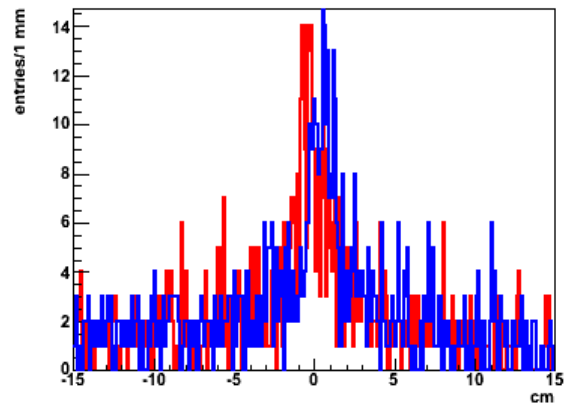
DeltaY chamber 1

DeltaY chamber 0

Conclusion

• Shift is still present!

• Above 2 Gev/c the shift is negligeble, tracks parameters not so bad to avoid physics measurement (HMPID is devoted to high momentum tracks identification).

• For low momenta the problem anyway has to be solved.

• Improved AliHMPIDTracker is ready, it needs to be tested (4° LHC10h pass2 preproduction?!?!)

• HMPID chambers position will be calibrated with the new B = 0 runs.