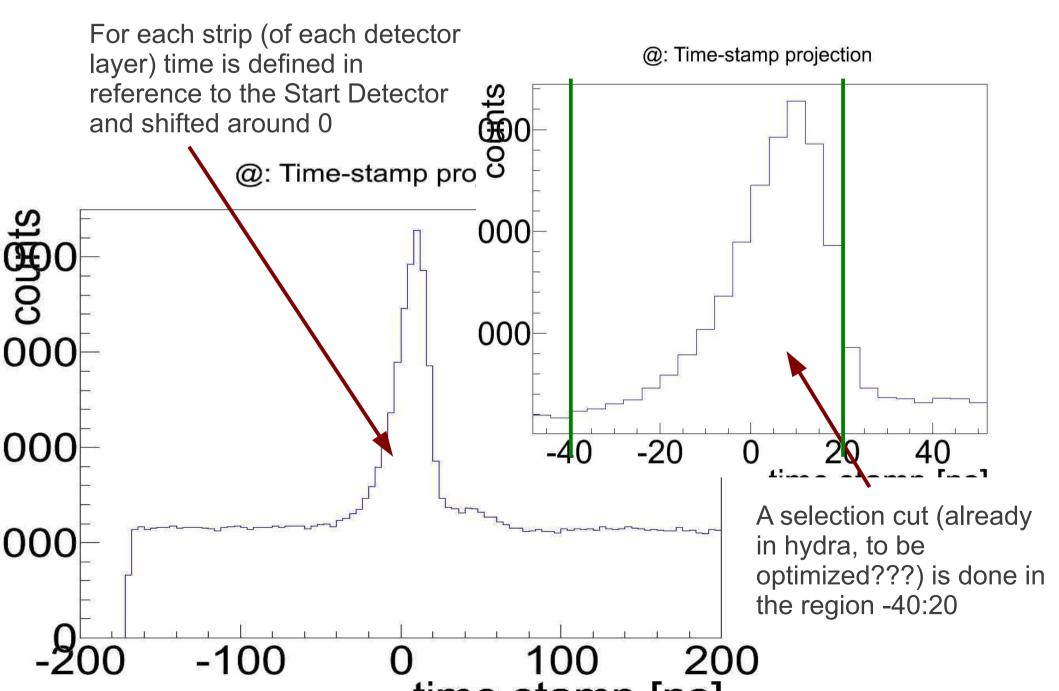
Updates on PionTracker

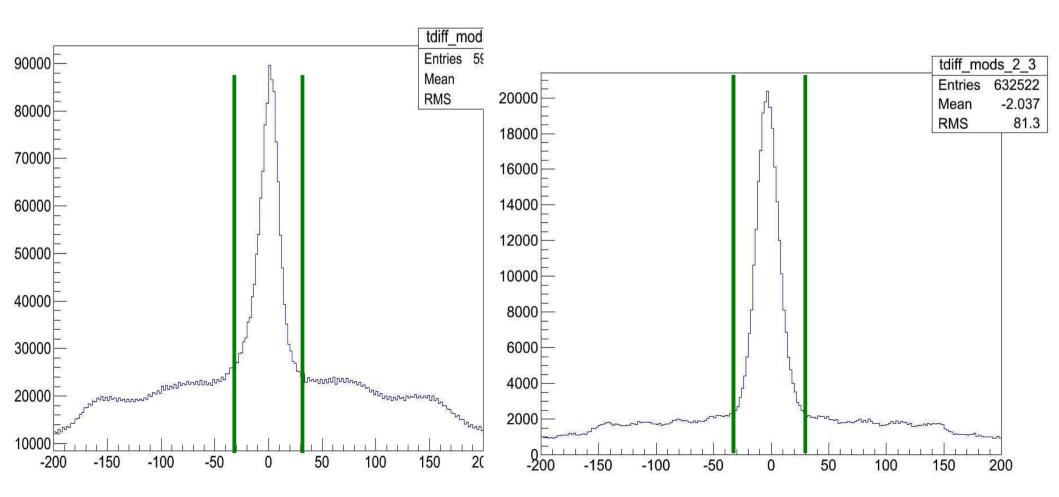
1) Timing Cuts
2) Crosstalk
3) Final multiplicities (candidate pairs)
4) Momentum reconstruction

Timing Cuts



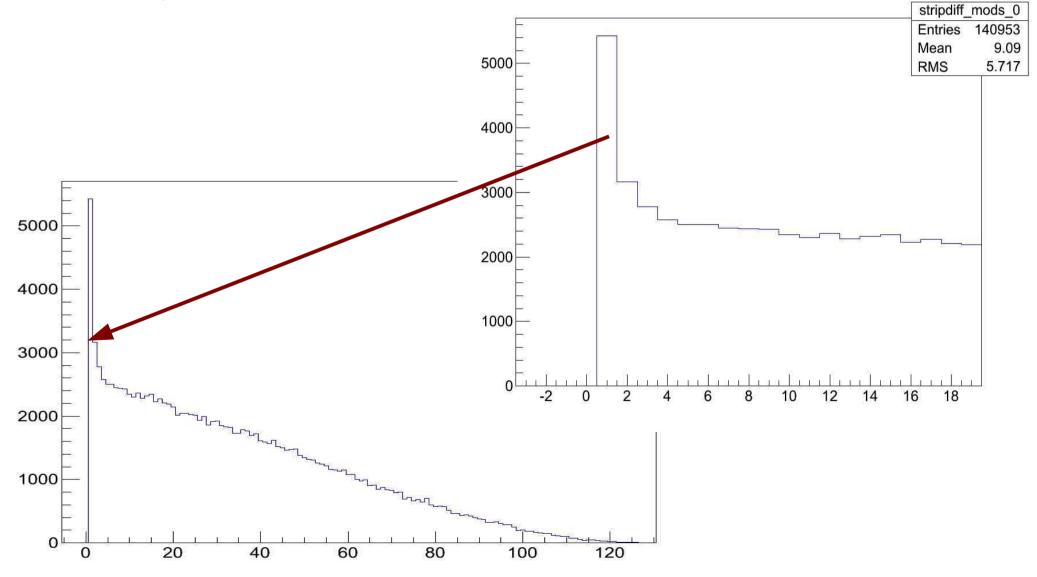
Timing Cuts

For each detector, time difference between X and Y plane is calculated and a (common???) cut is applied to select pion candidates

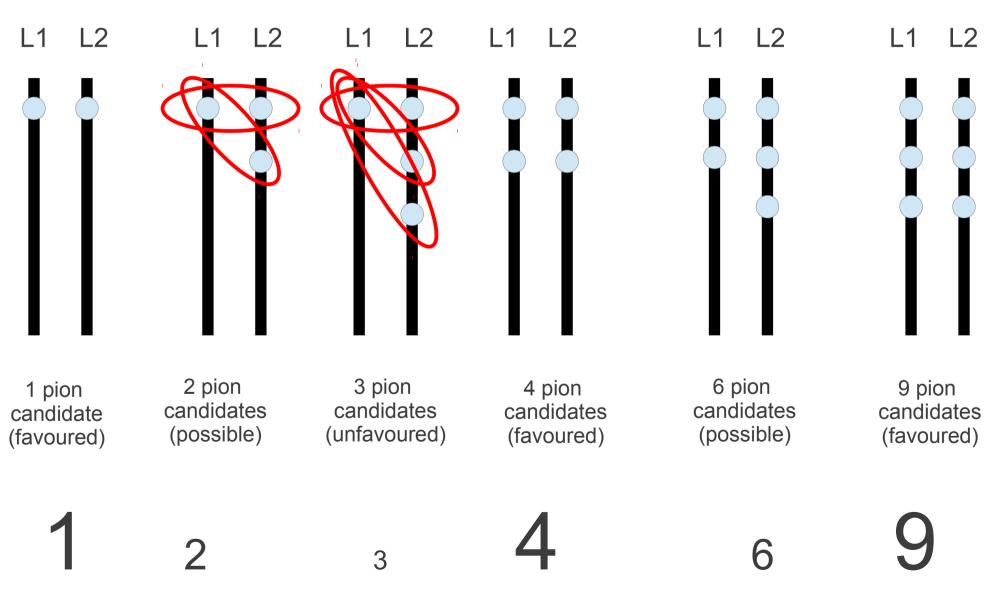


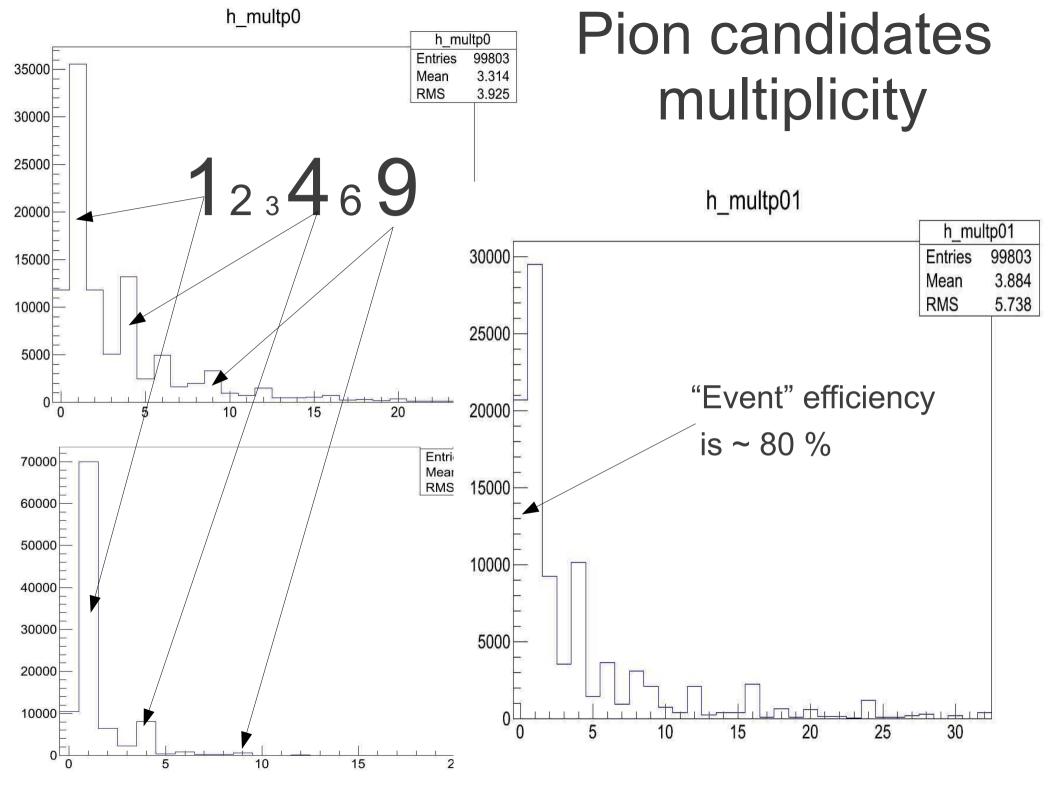
Crosstalk

For each strip (of each detector layer) nearby strips can be fired due to crosstalk; this has to be checked and corrected looking at the distance between 2 hits on the same layer

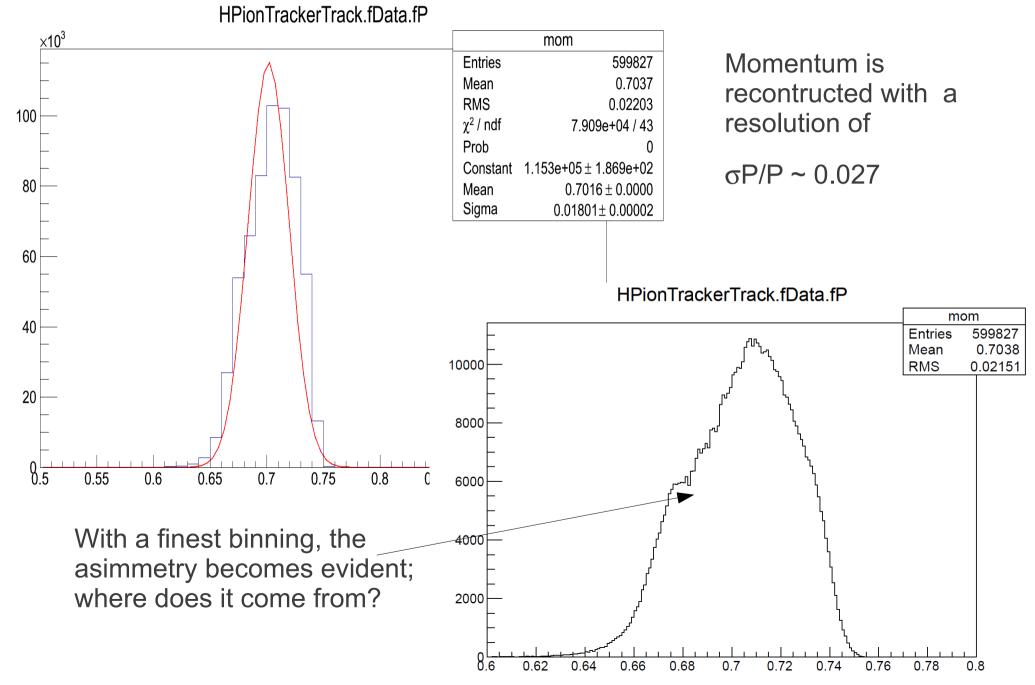


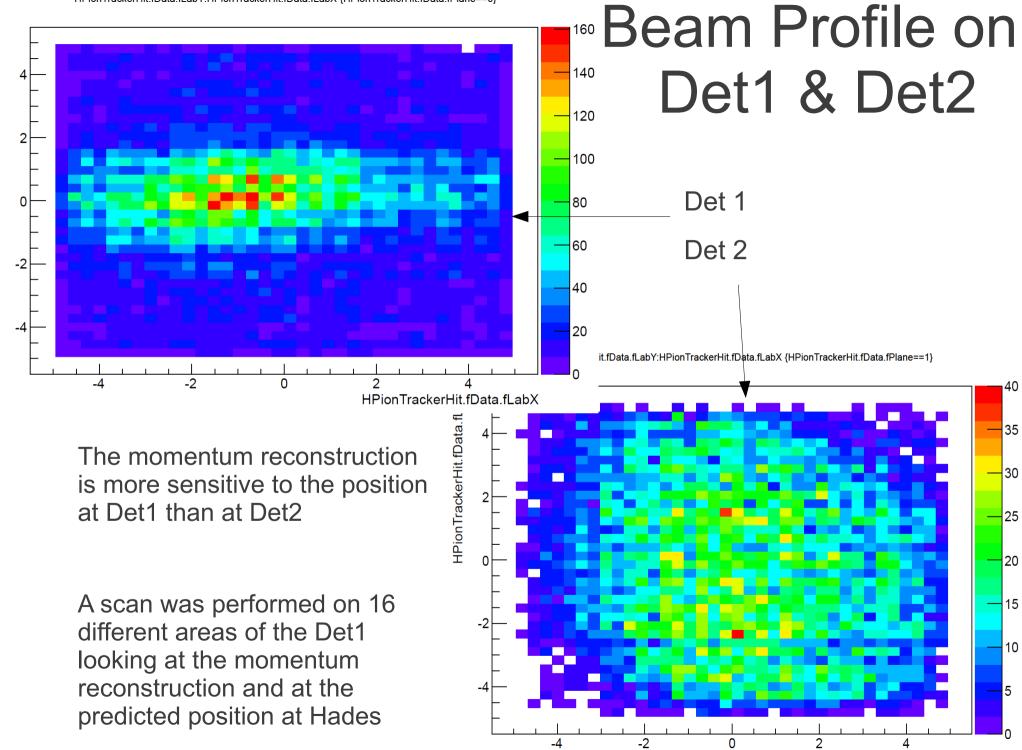
Pion candidates (pairs) and multiplicity



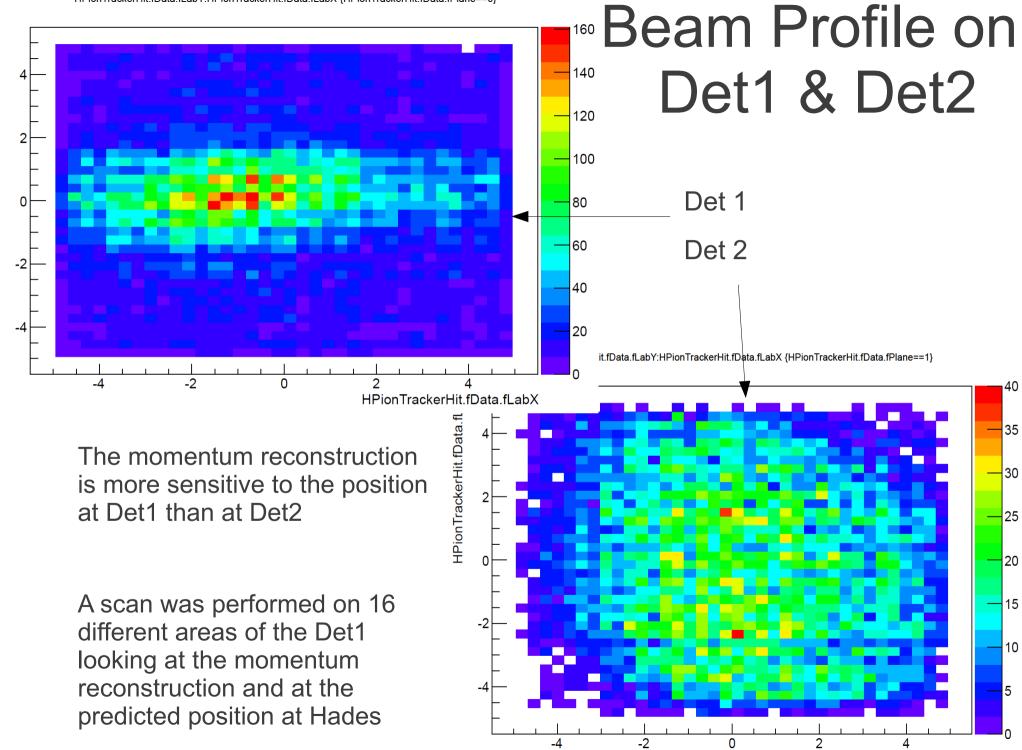


Momentum Reconstruction



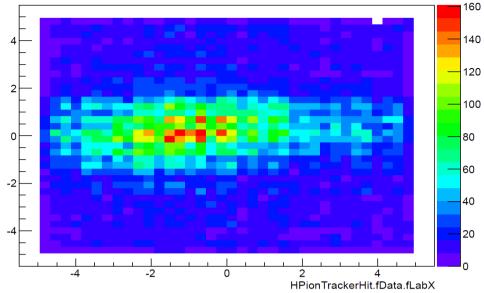


HPionTrackerHit.fData.fLabX

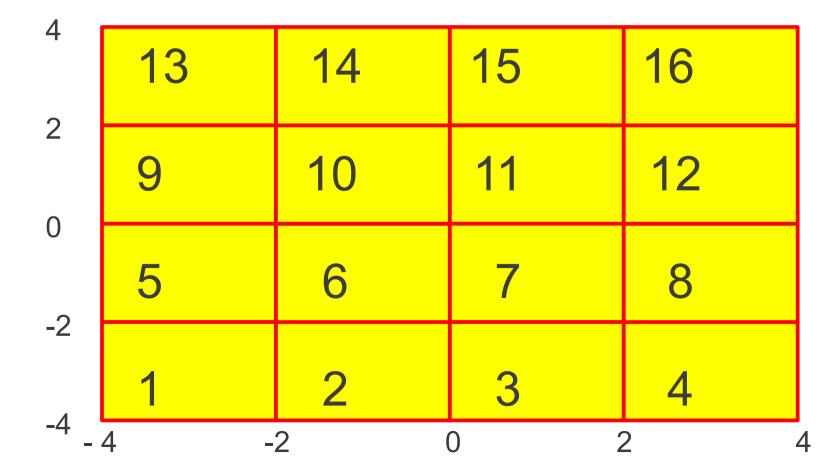


HPionTrackerHit.fData.fLabX

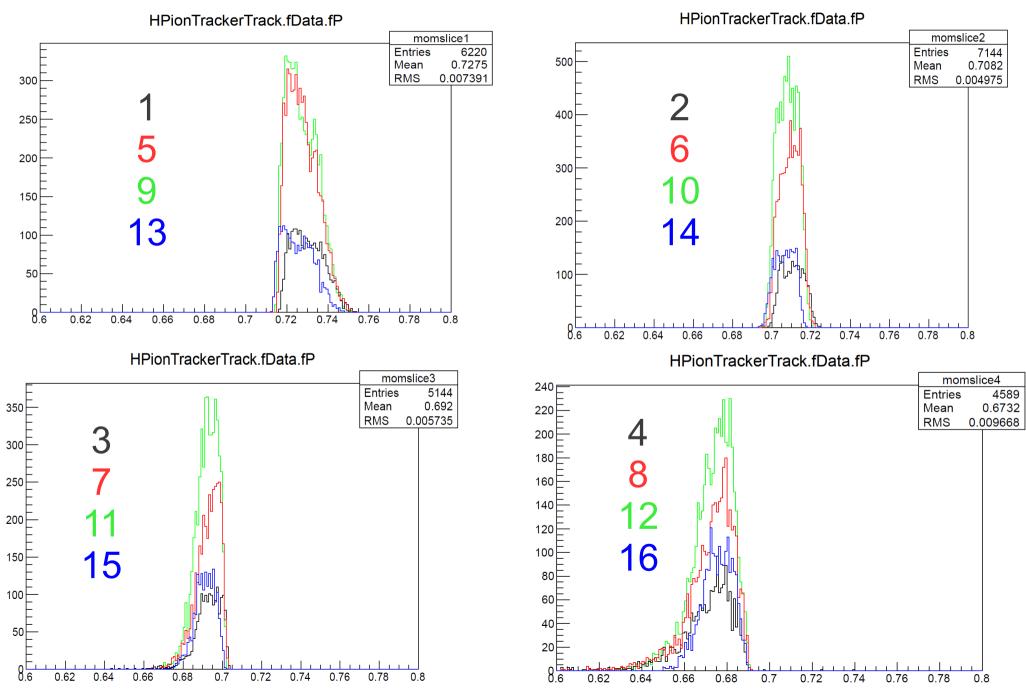
HPionTrackerHit.fData.fLabY:HPionTrackerHit.fData.fLabX {HPionTrackerHit.fData.fPlane==0}

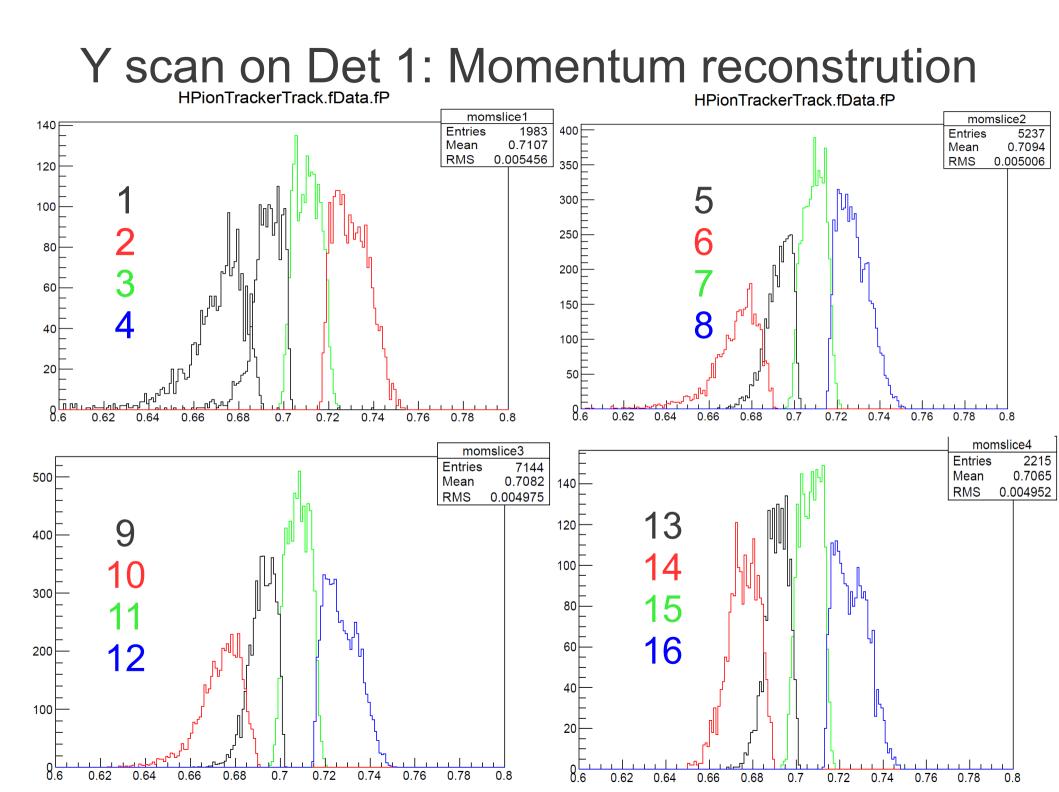


Position Scan on Det1



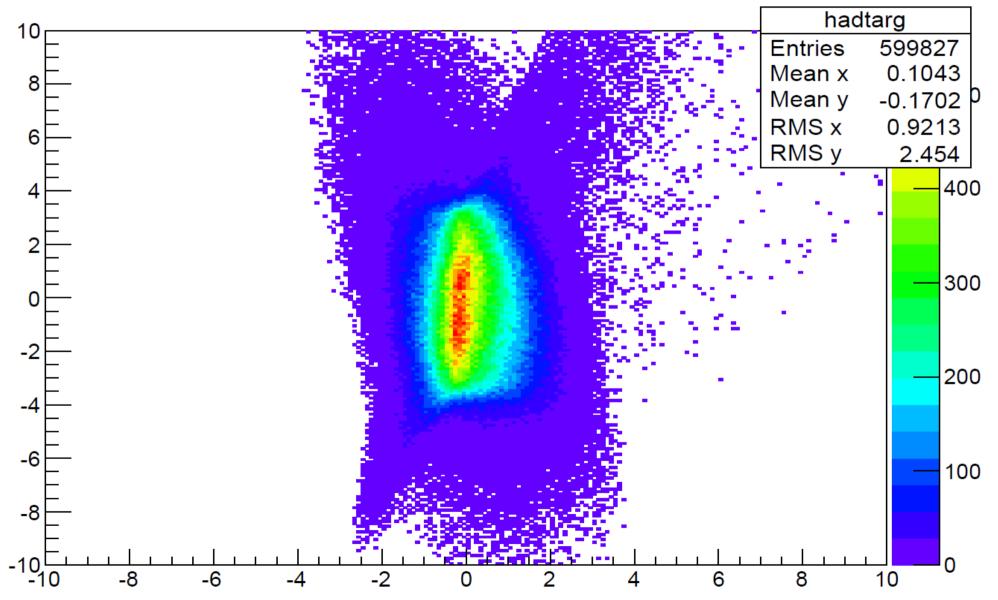
X scan on Det 1: Momentum reconstrution





Predicted hits on the Hades target

HPionTrackerTrack.fData.fYh:HPionTrackerTrack.fData.fXh



Predicted hits on the Hades target

