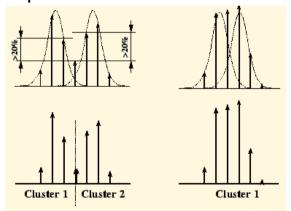
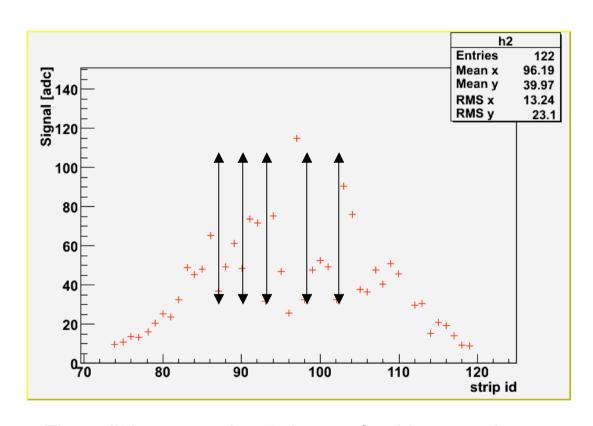
- Update : ssd soft tuning
 - Cluster Maker

Cluster Maker

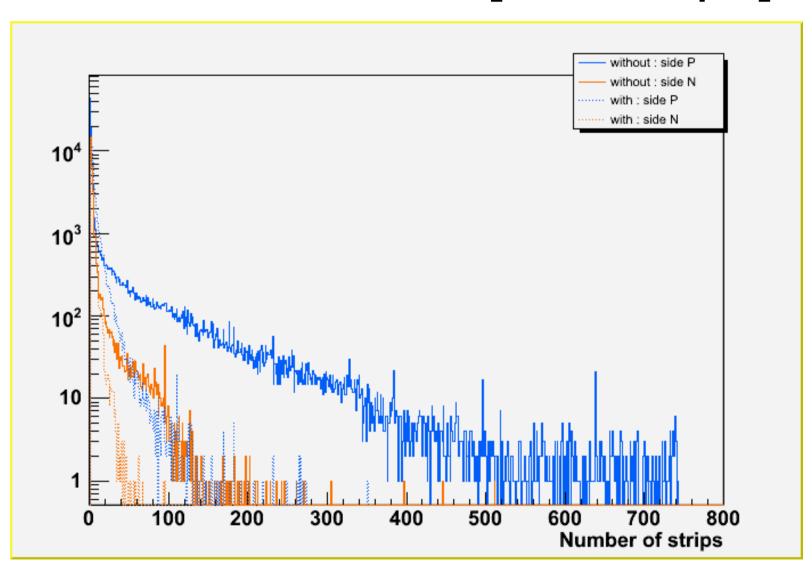
- One major bug: after the search for the central strip, the soft only add consecutives strips
 - There is no others conditions
 - Found clusters with size > 400 strips (half a wafer ~ 3cm)
- When a cluster is built, we try to split it (found the maximas and minimas)
 - -There was another bug because the current strip after splitting was never updated.



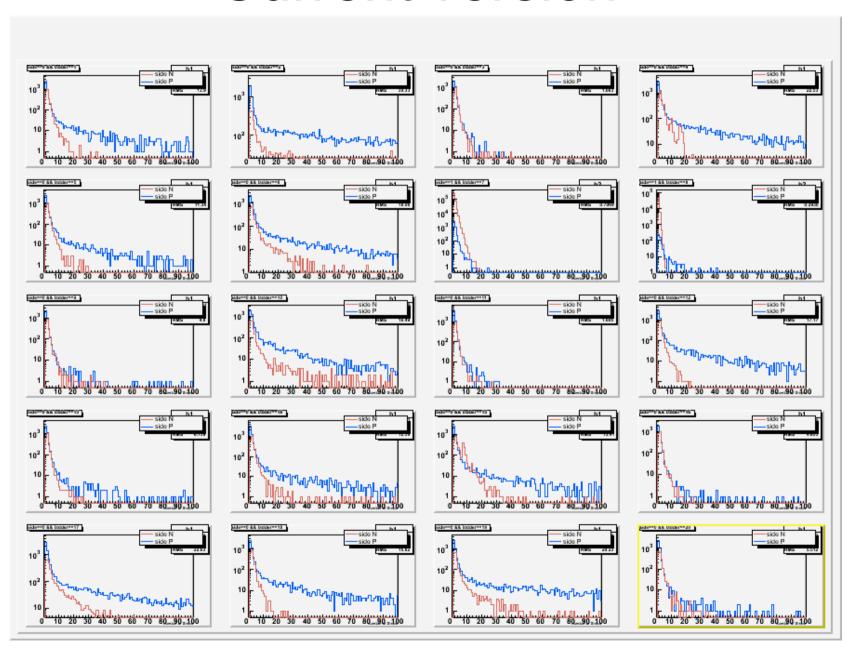


The splitting must give 7 clusters for this example

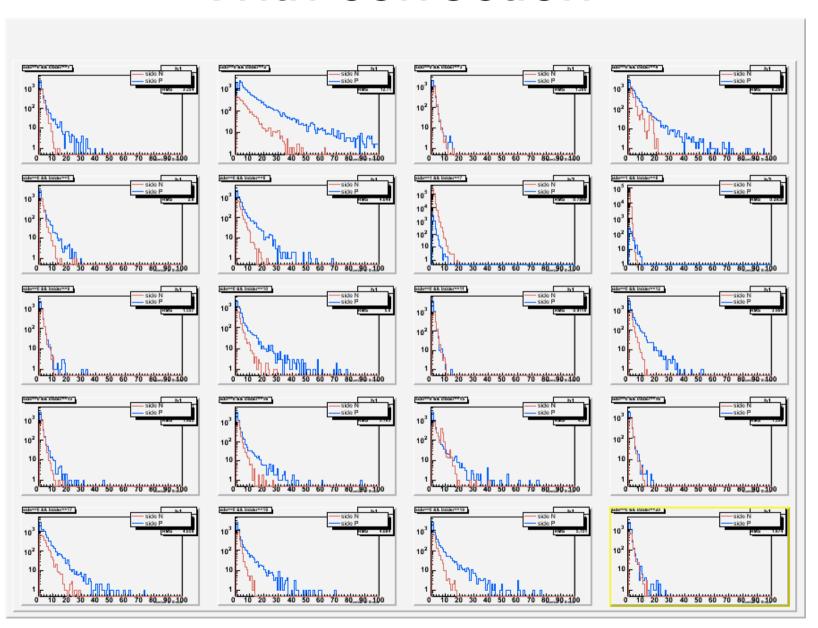
Size of the clusters [# of strips]



Current version blue: ladders P side red: ladders N side

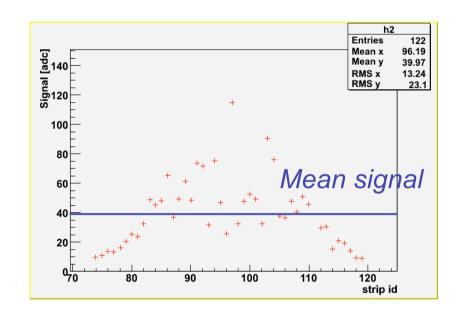


With correction blue: ladders P side red: ladders N side



Summary - outline

- → Decrease the size of clusters but need improvement :
 - cut on the mean level of the strips signal in a cluster.
 - With the tpc tracks projection, see if the reconstructed hit is a expected hit.
 - Study the hit reco. vs the cut on the central strip :
 - \Box Actually the cut is s/n > 5
 - Add another cut on the neighbourings strips



Cut on the signal to noise ratio of neighbourings strips

