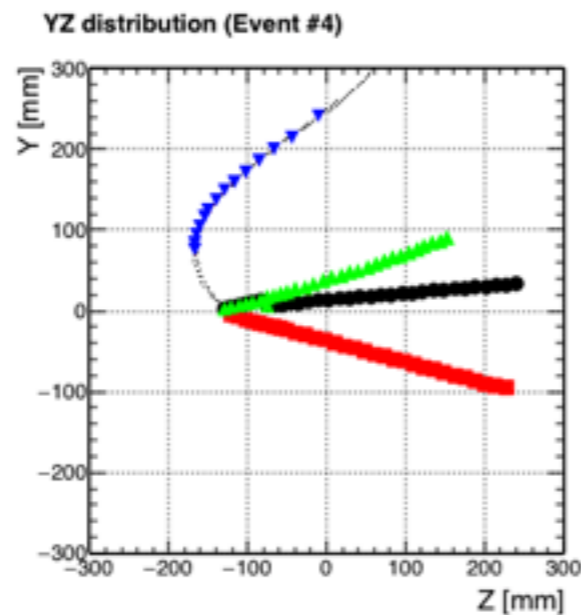
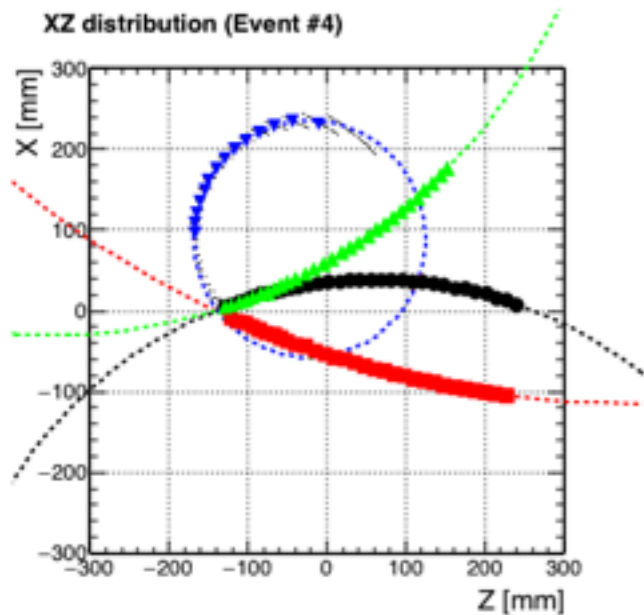
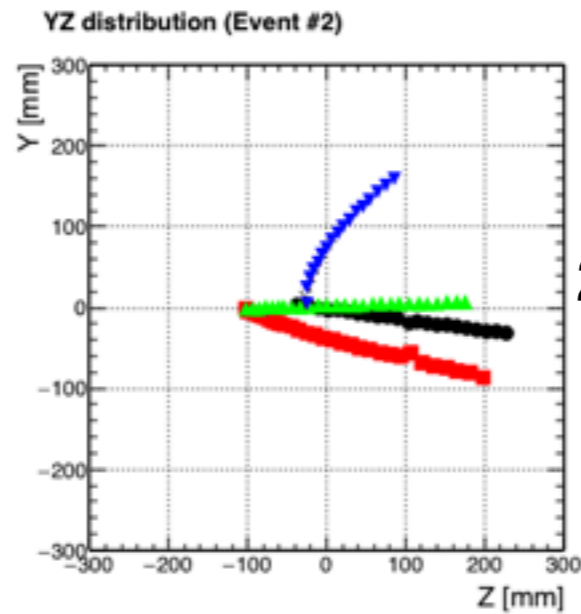
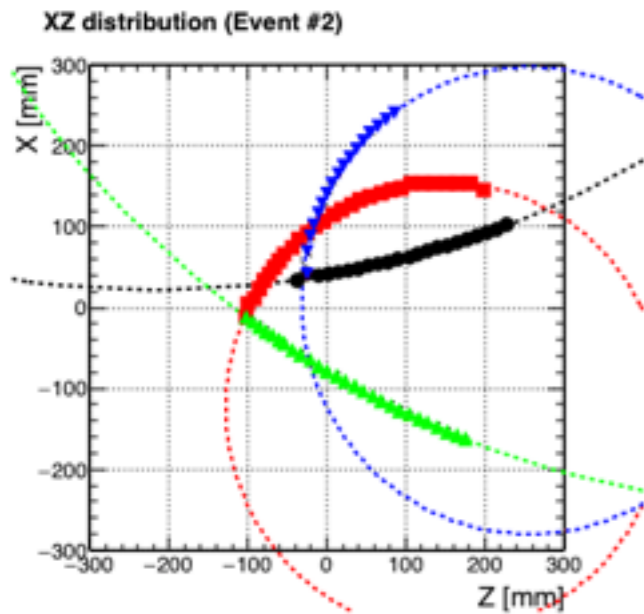


E42_tracking
15/Nov/2016

New tracking algorithm



1. Discarded prediction vector method which required "neighbouring cluster".

2. Tracking steps

1. Find 3 connected clusters which had largest layerID in the data.

2. Circle fitting at each step and searching next cluster"s" within range. The clusters which layer ID < 5 was not clustered at the track finding step.

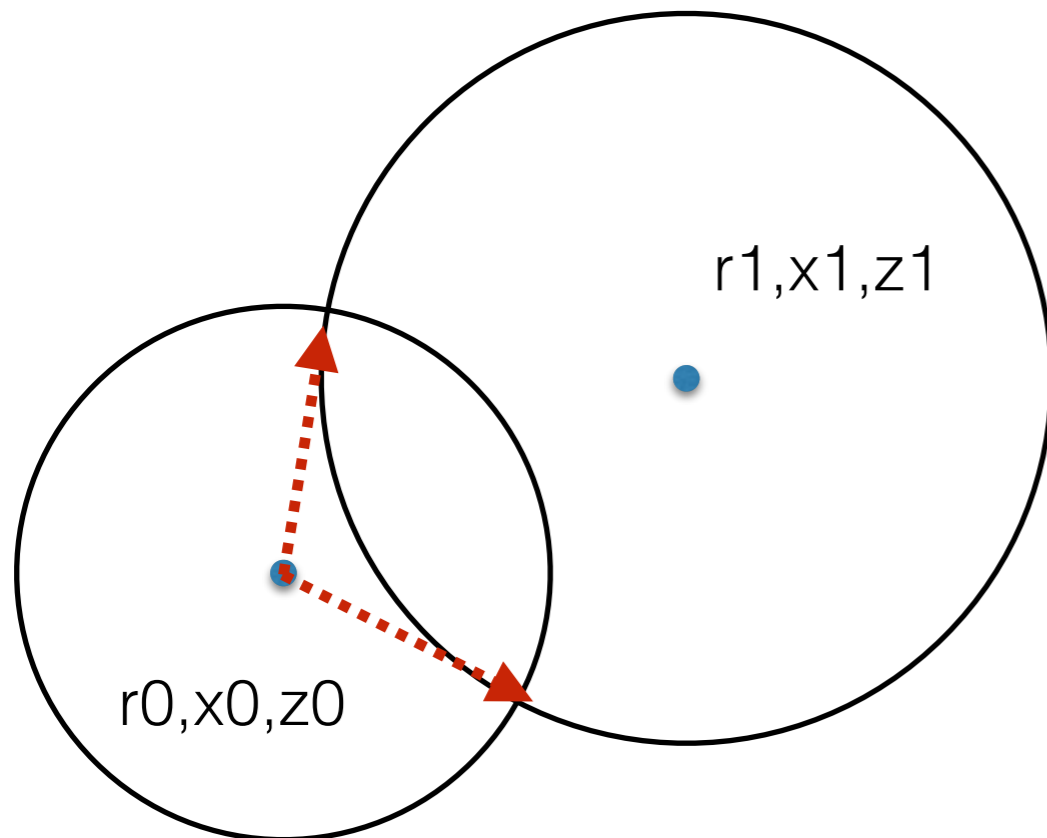
3. After tracking, find clusters which placed near track (10mm in xy, 10mm in z);

4. -> tracking end.

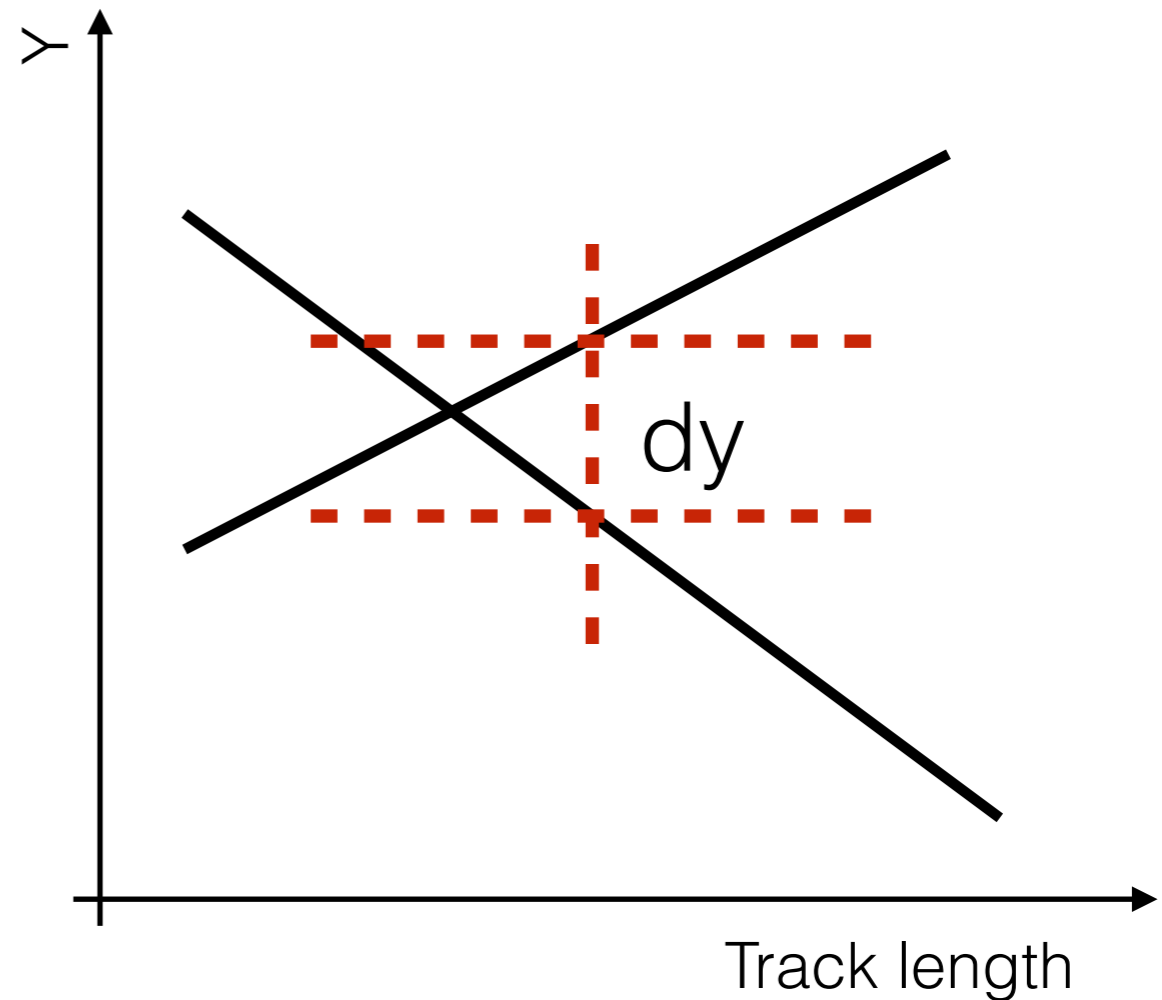
3. Improved tracking abilities around target.

Searching crossing point

X,Z



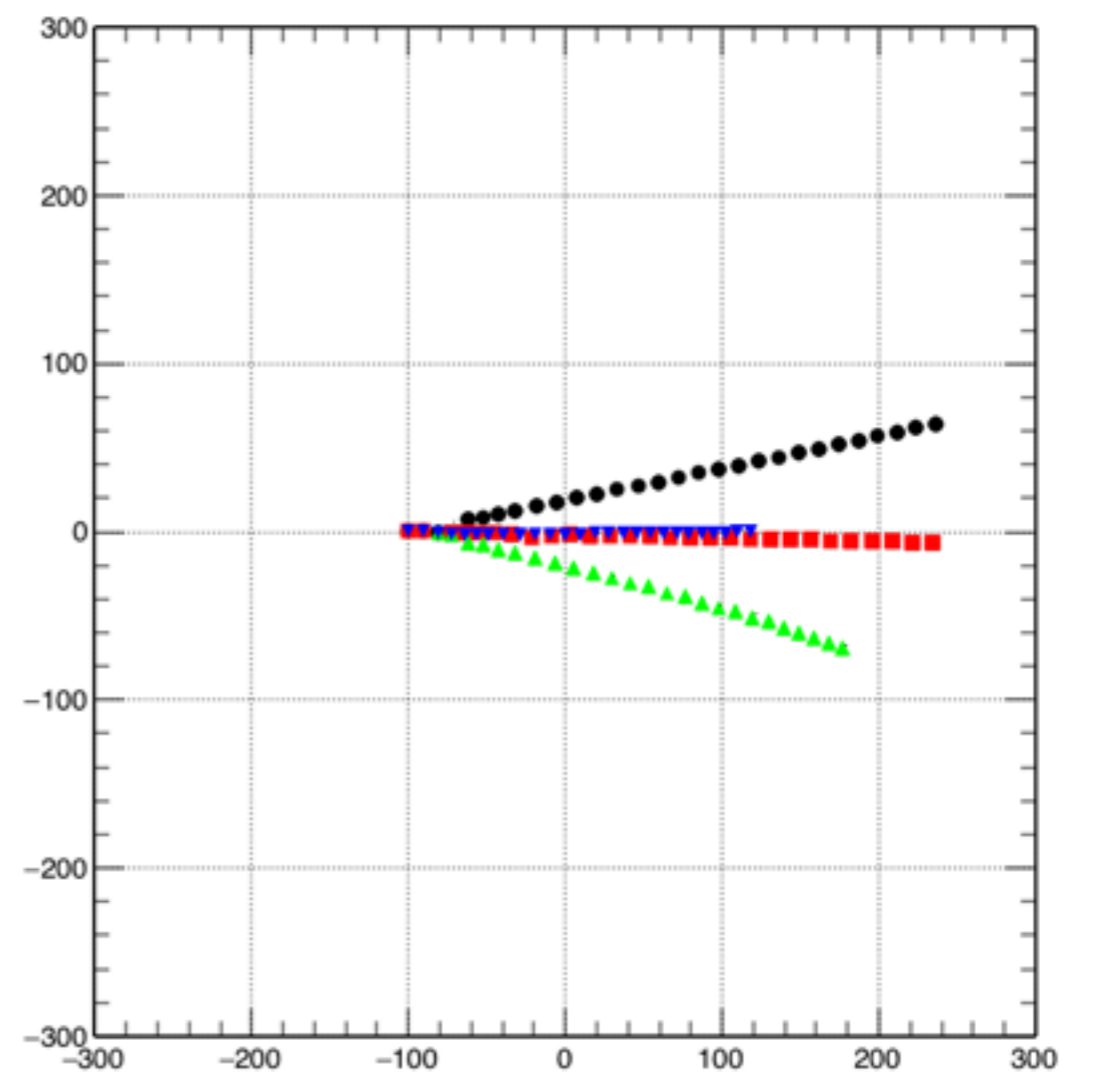
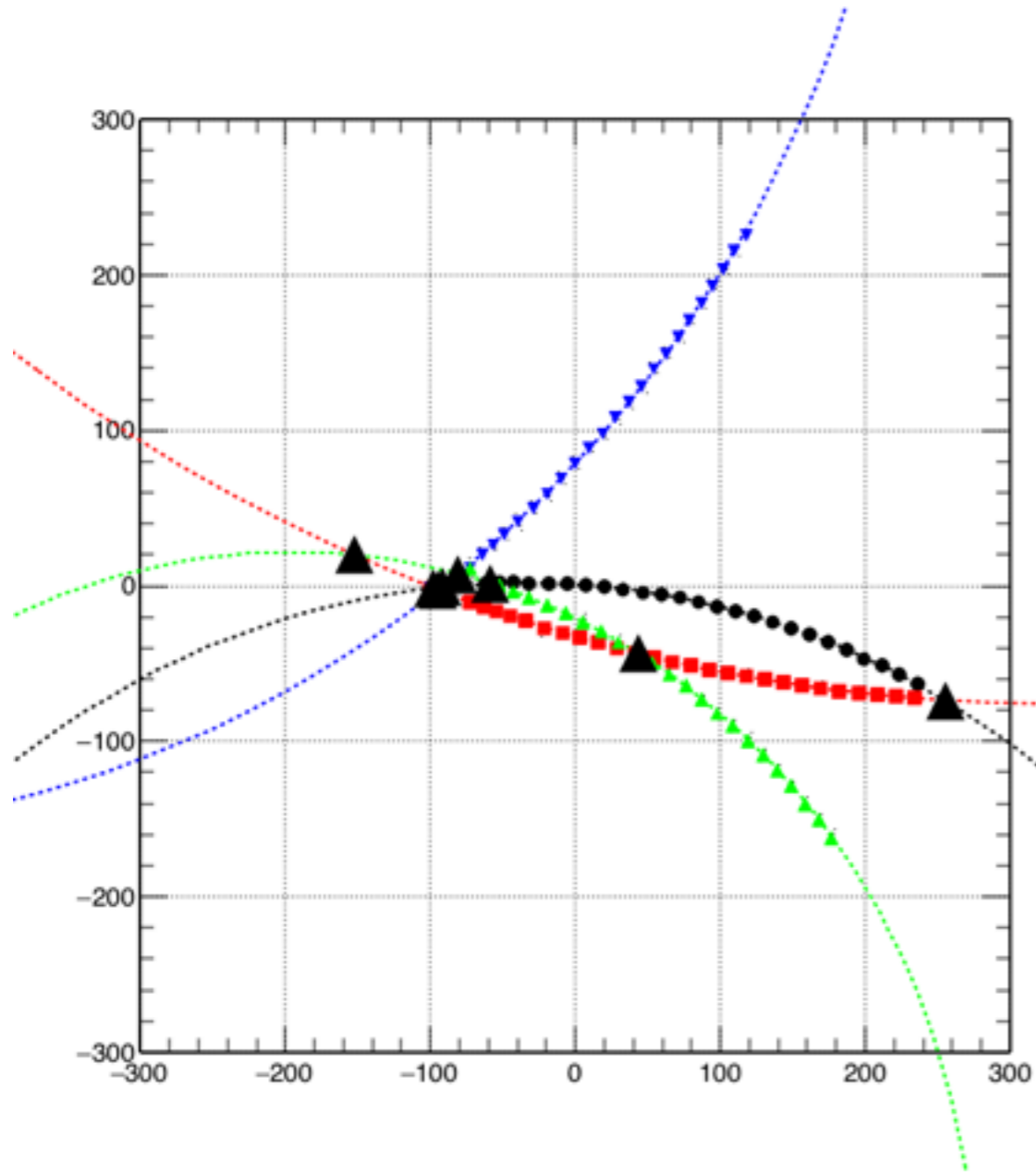
Y



- Find two crossing point between two circle

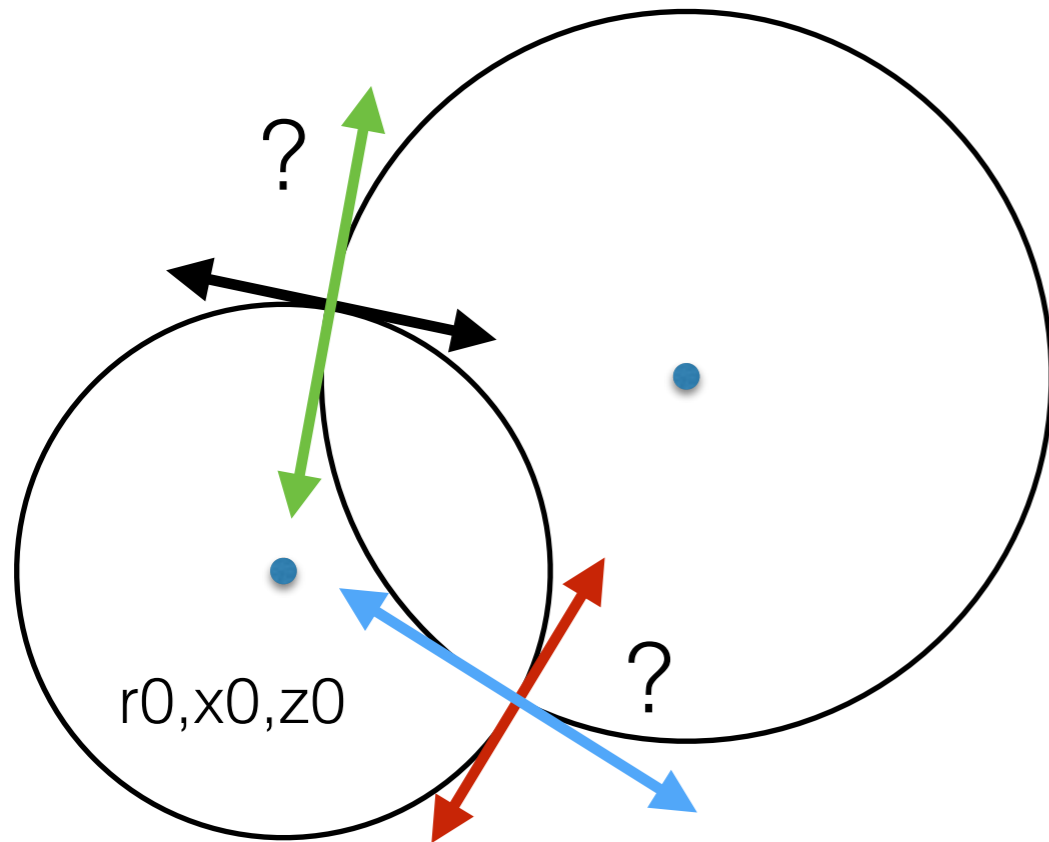
- Select two circle which has the minimum $|dy|$

Crossing point finder sample



Under working

Tangent vector calculation



Making selection algorithm
to find correct tangent vector

Find correct combination

