Subject: First check of CATracking
Posted by StefanoSpataro on Wed, 17 Jun 2015 08:50:27 GMT
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Hi all,
i tried to check the output from the Cellular Automaton code (PndCATracking).
I run 1000 events with 5 muons per event, 1 GeV/c each, for 25° < theta < 120°.

Here the momentum distribution from pure Gianluigi PR (PndTracking2), adding also the kalman (PndTracking2+genfit), and with the CA (PndTracking CA):

It seems that the CA provides better results than standard PR, but worse than adding also genfit. This means most probably that on the top of the CA one should also run our Kalman Filter. At present, due to a bug in the PndTrackCand filling, this is not possible.
Regards

File Attachments

1) comp_5mu1gev.gif, downloaded 1738 times

