

TrChecker

This is the code that generates histograms that detail the performance of the tracking algorithms. It by default monitors the *Best tracks* which are the tracks that have been found by any algorithm after the clone killer has removed tracks that appear to be from the same MC particle.

By default there is a root file generated by Brunel, along with the DST file, that has the default monitoring histograms. The tracking histograms include:

Histogram	
1	Number of tracks per event
2	Number of true tracks per event
10	Error flag
11	Unique flag
12	Track Type
20	Track efficiency per event
21	Track ghost rate per event
30	Momentum (GeV) first state
33	True momentum (GeV) for MCParticles
40	Hit purity
41	Velo hit purity
42	IT hit purity
43	OT hit purity
50	Hit efficiency
51	Velo hit efficiency
52	IT hit efficiency
53	OT hit efficiency

Also the resolutions and pulls in x , y , dx/dz , dy/dz and q/p at the production vertex, first measurement and 5 other z values are plotted.

-- DavidHutchcroft - 09 Aug 2005

This topic: LHCb > TrChecker

Topic revision: r3 - 2005-08-12 - DavidHutchcroft



Copyright &© 2008-2020 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback