

MAUS - Bug #1915

Still inf/nan tracks in tracker recon

23 February 2017 13:31 - Rogers, Chris

Status:	Closed	Start date:	23 February 2017
Priority:	Normal	Due date:	
Assignee:	Hunt, Christopher	% Done:	100%
Category:	Tracker	Estimated time:	0.00 hour
Target version:			
Workflow:	New Issue		
Description			
I am still seeing bad tracks coming out of the tracker recon in MAUS v2.8.2. Using Durga's log file, I get e.g.			
...			
Cov nan in run 9153 spill 24 event 12			
[nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan, nan]			
...			
TP nan in run 9153 spill 809 event 26 : {'pz': inf, 'py': inf, 'mass': 105.6583668, 'y': -1.8499726139571353, 'x': 2.5217605057389583, 'px': -inf, 'z': 15068.860691319645, 'pid': -13}			
...			
where Cov nan means a nan in the Kalman covariance matrix and TP nan means usually an inf in the track point vector. I attach a full log file with all of the buggy entries, from the first 1000 spills of run 9153 reco pulled from here			
Related issues:			
Related to MAUS - Bug #1862: NaN in tracker reco		Closed	09 August 2016
Related to MAUS - Bug #1849: NaN in tracker recon		Closed	18 May 2016

History

#1 - 30 May 2017 12:14 - Dobbs, Adam

- Status changed from Open to Closed

- % Done changed from 0 to 100

Should be fixed in 2.9.0. Please re-open if it re-occurs.

Files

inf_nan.log 9.76 KB 23 February 2017 Rogers, Chris