
Subject: Re: Geane crashes in PndPidCorrelator
Posted by [Jens Sören Lange](#) on Sun, 07 Mar 2010 15:31:11 GMT
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Hi all, a short update.

Martin identified the event which crashed Geane.

N	Id	Ist	M1	M2	DF	DL	px	py	pz	E	t
x	y	z									
0	443	2	-1	-1	1	3	0.00000000	-0.00000000	4.06565876		
5.11079103	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000					
1	-11	1	0	0	-1	-1	-0.87957973	-0.34001792	0.31825857		
0.99526954	0.00000000	0.00000000	-0.00000000	0.00000000							
2	11	1	0	0	-1	-1	1.11174623	0.42895594	3.66460233		
3.85347809	0.00000000	0.00000000	-0.00000000	0.00000000							
3	22	1	0	0	-1	-1	-0.23216651	-0.08893803	0.08279787		
0.26204340	0.00000000	0.00000000	-0.00000000	0.00000000							

There is nothing particular in it.

Even more, if one processes it again (Martin tried 5x), then suddenly it does not crash Geane anymore.

So, a preliminary conclusion:

- 1.) Tracks with muons seem not to crash Geane.
- 2.) Tracks with electrons seem not to crash Geane, if photos is switched off in EvtGen.
- 3.) Tracks with electrons seem to crash Geane, if photos is switched on in EvtGen.
- 4.) The crashes in Geane seem to have a non-deterministic component. If the event is re-processed, then the Crash might not occur again.

(These observations are surprising).

Soeren and Martin