Subject: Re: another crash due to problem at z = -150
Posted by Albrecht Gillitzer on Wed, 09 May 2012 15:53:44 GMT
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Dear Maria,

I think the crash happens if a (primary or secondary) particle hits the specified volume element (x = 21.1, y = 48.9, z = -150.0). I can only give you the conditions with which I got the crash:

PandaRoot Revision: 15458
Reaction: 4.0 GeV/c pbar + d --> p phi pi-
start random seed: 29
--> crash at event 779

I attach the decay file and the simulation macro below. I think together with the revision number this is the best you can do to try to reproduce the crash.

Just run
root -b -q "run_sim_stt_evt.C(nEvents,29)"
with nEvents > 779.

However, I don't know whether on your computer you get exactly the same random numbers as I get. If not, you won't hit this volume element.

By the way, I got a similar crash with rev = 15051, start random seed = 17 at event 649 at x = 18.4, y = -71.5, z = -150.0, see my posted message of April 16. That's why I thought that we have a specific geometry problem at z = -150.0.

Maybe there is a faster way to test this by directly creating a particle which hits these volume elements but I don't know how to do this easily.

If you get something, please let me know.

Best regards,
Albrecht

File Attachments

1) run_sim_stt_evt.C, downloaded 468 times
2) apd2pphipim.dec, downloaded 438 times