
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: $4.0 \text{ GeV}/c \text{ pbar} + d \rightarrow p \text{ phi pi-}$
start random seed: 29
 \rightarrow 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 384 times
 - 2) [apd2pphipim.dec](#), downloaded 357 times
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