Subject: Geant3 crash on ions
Posted by C. A. Douma on Tue, 16 Aug 2016 13:51:14 GMT
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Dear Mr. Kresan,

I am trying to run Geant3 simulations with multiple particles, but I keep getting segmentation violations.
When I however remove all the ions in the ASCII-file, the simulation runs fine. Do you know how I can fix this problem?

Christiaan.

File Attachments

1) ASCII_Generator.dat, downloaded 645 times

Subject: Re: Geant3 crash on ions
Posted by C. A. Douma on Tue, 16 Aug 2016 13:52:29 GMT
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Here is a short version of the log.

File Attachments

1) log.txt, downloaded 439 times

Subject: Re: Geant3 crash on ions
Posted by Dmytro Kresan on Wed, 17 Aug 2016 12:23:35 GMT
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Dear Christiaan,

after debugging your error the whole day, I can tell that it is not related to R3BRoot or Geant3. It is Fluka part, which can not handle hadronic interactions of your "exotic" isotopes. The only way to overcome it, is to set HADR option to 1 in gconfig/SetCuts.C. BUT then you will not get your neutrons correct. So it is not an option.

Sorry, I can not help your with this issue.

Best regards,
Dima

Subject: Re: Geant3 crash on ions
Posted by C. A. Douma on Thu, 18 Aug 2016 13:12:08 GMT
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Dear Mr. Kresan,

Thank you for your explanation and all your efforts. Looks like
I will have to find another way around the problem then using Geant3
with these particles.

Yours Sincerely,
Christiaan Douma.