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Subject: Re: PYTHIA6 direct usage

Posted by [Anna Skachkova](#) on Thu, 08 Oct 2020 14:32:31 GMT

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Once again about Pythia6Direct interface - I have tried it with different kind of processes. And again it gives :

...

>>> Event 8

\$\$\$X Primary track 10

[ERROR] === Problem: particle with index 23 has daughters= 14 && daughtersp= 4

[ERROR] === Problem: particle with index 25 has daughters= 37 && daughtersp= 2

[ERROR] === Problem: particle with index 27 has daughters= 2 && daughtersp= 2

[ERROR] === Problem: particle with index 31 has daughters= 2 && daughtersp= 2

>>> Event 9

[ERROR] === Problem: particle with index 13 has daughters= 14 && daughtersp= 2

[ERROR] === Problem: particle with index 16 has daughters= 35 && daughtersp= 2

[ERROR] === Problem: particle with index 18 has daughters= 25 && daughtersp= 2

>>> Event 10

[ERROR] === Problem: particle with index 16 has daughters= 62 && daughtersp= 2

[ERROR] === Problem: particle with index 18 has daughters= 2 && daughtersp= 2

...

seems there are some problems with transfer the information about daughters (which for me personally for the moment doesn't matter too much).

And it crashes while processing tutu\_aod.C:

Processing tut\_aod.C...

PndFileNameCreator::fFileName pythia6direct 13

[WARN] FairRun::SetOutputFile() deprecated. Use FairRootFileSink.

Info in <PndSdsHybridHitProducer::PndSdsHybridHitProducer>: MVD Hybrid Hit Producer created, Parameters will be taken from RTDB

Info in (PndGeoHandling::Instance): Making a new instance using the framework.

MasterRunAna: PID Task creation. Options are ""

[INFO] The input consists out of the following trees and files:

[INFO] - pndsim

[INFO] - ./pythia6direct\_sim.root

[INFO] FairRootFileSink initialized.

[INFO] - cbmout

[INFO] - ./pythia6direct\_pid.root

[INFO] Parameter and input file are available, Assure that basic info is there for the run!

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initialisation for run id 1602160977

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-I- FairRunTimeDB::InitContainer() FairGeoParSet

Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...

Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave

Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100

Info in <TGeoManager::Voxelize>: Voxelizing...

Info in <TGeoManager::CountLevels>: max level = 12, max placements = 4550

Info in <TGeoManager::CloseGeometry>: 2028308 nodes/ 5654 volume UID's in FAIR geometry

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

Container FairGeoParSet initialized from ROOT file.

```
-I- FairRunTimeDB::InitContainer() FairBaseParSet  
PndPythia6Direct::SetPandaDefaults()
```

```
*** Break *** segmentation violation  
Aborted (core dumped)
```

I hope that someone could find the bug...

Best regards,  
Anna