
Subject: proton-proton generator

Posted by [Karoly Makonyi](#) on Wed, 06 Dec 2017 08:35:21 GMT

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Hello,

I want to generate proton-proton event (test-beam). Can DPM or FTF handle this?
Can someone send me a decay file for - for example - $p+p \rightarrow p+p+\pi^0$?

Thanx in advance.

Regards,
Karoly

Subject: Re: proton-proton generator

Posted by [Ralf Kliemt](#) on Sat, 10 Feb 2018 21:23:51 GMT

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Hello Karoly,

$p+p \rightarrow p+p+\pi^0$ sounds like a job for EvtGen.

You could create a virtual ppsystem in your evt.pdl (similar to pbarpsystem) and use such a decay file:

```
decay ppsystem
1.0 p+ p+ pi0 PHSP
end decay
```

PHSP is the generic pahaspace model.

Kind regards.
Ralf
