
Subject: Re: Changing t distribution slopes

Posted by [Ingo Fröhlich](#) on Sun, 21 Aug 2011 08:35:49 GMT

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Hi,

the method is based on sampling (but with phase space only) and rejection (pure Monte-Carlo). For this one needs a ceiling value. The rejected events are those, for which a random number between 0 and the ceiling value is higher as the function. If the value is larger as the ceiling, the ceiling is adjusted. If this happens during the first events, it does not play a big role. But in your case this is too much.

Maybe it would be helpful if you could attach your macro. It could be that it depends on the beam energy. I tested it at $T_{\text{kin}}=2.2$ GeV only. There the slope was OK over some kEvents.