

Subject: Re: improvement of DPM

Posted by [Aida Galoyan](#) on Mon, 04 Jun 2012 14:22:34 GMT

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Hi all,

I have improved  $\pi^+\pi^-$  mass distribution in DPM.  
For this, quark mass distribution is improved, and  
production of  $f_2$  meson is added for the first time  
in DPM generator.

I attached fig., where  $\pi^+\pi^-$  mass distributions for  
 $\bar{p}p$  annihilation events at  $\text{Plab}=9.1 \text{ GeV}/c$  are  
calculated by new version of DPM, model FTF in GEANT4  
and UrQMD+SMM model.

As you can see, calculations by DPM reproduce exp. data given  
by points better than other models.

Aida

#### File Attachments

1) [an\\_DPMFTF.gif](#), downloaded 462 times

