Subject: m(pi+pi-) invariant mass from 4pion event in DPM generator
Posted by donghee on Wed, 21 Mar 2012 10:35:02 GMT
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Dear DPM developers,

I'm wondering that DPM can have some virtual and resonance like peak in m(pi+pi-) mass distribution.
4 pions are selected from DPM generator and make a plot of 2pion mass distribution, which is combination of 1 positive and 1 negative with pion mass hypothesis.(see page 5 in attached pdf file).

The behaviour looks quite(definitely) unphysical.
How can be possible those peaks?
Why do they move around half of beam momentum (half of cms)?
Can you explain that?

Best regard,
Donghee

File Attachments

1) To_PANDAcommunity.pdf, downloaded 552 times