Subject: Re: Elastic pbar-p with Coulomb and hadron scatterings
Posted by Aida Galoyan on Mon, 06 Apr 2009 12:59:44 GMT

Dear Tobias,

Hadron elastic scattering is presented in the version of DPM installed in Panda-Root.
It is the most essential part of elastic scattering for Panda.
The Coulomb scattering will give contribution at very forward
direction, and recoil very slow protons in the barrel part.

First of all, we are interested in testing of the
full elastic scattering (Coulomb, interference, hadron parts)
algorithm, and proccesing of the generated files with elastic scattering. We would like to see
the results of full simulation with elastic scattering.

An installation of DPM with full elastic scattering is now complicated, because it is required to
point out the minimal angle of the Coulomb scattering. However, there is PndDpmDirect class
installed by Mohhamad with initial parameters without minimal angle. If I include the new
version of the DPM there will be a contractiction with PndDpmDirect class.
Therefore, without coordination with PndDpmDirect class I can not insert new variant of the
DPM.

I hope my generated files will be useful for you.
Aida