Subject: Re: update Pluto on the web...
Posted by Ingo Fröhlich on Wed, 27 Feb 2008 08:58:51 GMT
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Dear Pluto users,

I updated the pro version of Pluto (v5.1x) due to several bugfixes, most of them are related to the angular distributions. One change fixed the pp elastic sampling inside the deuteron. Moreover, the Delta decay was isotropic since v5.11, this has also been corrected.

Please have a look into the release notes. Meanwhile the Pluto-link has been moved, it is now visible on the bottom of the hades page (www-hades.gsi.de)

In addition, a new dev version was uploaded with many new (but preliminary) features:
* PAngularDistribution has a new additional input: TGraph (for implementing angular distributions from a publication/data points)
* The first tests for weight-based event sampling have been done (see pdf on the web page)
* A batch-language allows for particle operations for histogram projections, like boosting, combining masses and getting angles. Approx. 10x faster then an (uncompiled) analysis macro.
* For the pn Bremsstrahlung, some adaptive mesh sampling method has been added (multi-dimensional sampling needed for N+d/p+A/pbar+A interactions under construction)
* The internal stucture has been changed that Pluto allows for different models per decay (e.g., the generator, the weighting model, total cross sections, ...)

Best regards, Ingo