
Subject: Re: URGENT: geane - coordinate system
Posted by [Andrea Fontana](#) on Thu, 27 Sep 2007 16:00:15 GMT
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Hello,

there is no coordinate transformation: geane tracks in MARS.
The only transformations are in the definition of the track parameters and in their errors calculation: these can be done in SC or SD and can be transformed in MARS after the tracking. At this point MARS for geane is identical to MARS for Panda.

In the first tutorial we shot along x axis, but it was only to keep things simple: in the second tutorial we shot isotropically in the Panda (MARS) system, so there is nothing special about x axis. In SC angles are already defined in MARS as azimuthal and polar angles. If the track is in SD you have to calculate them by transforming to SC.

We hope this is clear now.

Ciao,
Andrea and Lia