
Subject: Revised CbmGeaneUtil, CbmGeanePro and CbmTrackParP.

Posted by [Lia Lavezzi](#) on Wed, 04 Jun 2008 15:13:31 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi geane users!

A new version of the CbmGeaneUtil has been uploaded on the svn repository. In this revised version the functions performing the transformation from/to the Mars (FromMarsToSC/ FromMarsToSD/ FromSDToMars/ FromSCToMars) have been rewritten with Alberto Rotondi in order to perform the transformation without affecting the track length (a more detailed explanation can be found in the comments to the functions).

In addition to this new functions have been added to the CbmTrackParP and CbmGeanePro classes in order to retrieve:

- 1) the MARS covariance matrix
- 2) the Transport matrix
- 3) the momentum in SD system

The new routines and functions have been tested, but obviously any additional test is welcome!

To be able to use them, please update your trackbase and geane directories and if you find some strange behaviour please let us know.

Best regards,
Lia.