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Subject: Re: Conversion of track parameters

Posted by [Alberto Rotondi](#) on Mon, 13 Jul 2009 14:01:23 GMT

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Dear Stefano,

I wrote the routines that change references. The systems are defined in:  
<http://www.pv.infn.it/~rotondi/tracking.pdf>  
and explained in the routine comments.

If you want to avoid the direct use of these, I will think  
about with Lia and we will try to solve.

As a last remarks, remember that the helix and parabola labels are  
meaningless: the tracking is always made by using helix pieces!  
The SC system is the transverse system, with momentum perp to  
the reference plane (is called helix); the SD system has the reference plane coincident with  
that of the detector (it is called  
for misterious reasons parabola)

best regards  
Alberto

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