Subject: Re: GetPosition()
Posted by Ralf Kliemt on Wed, 07 Aug 2013 09:50:28 GMT

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Hallo Simon,

GetPosition() and Pos() return the position where the current four-momentum of the particle is defined. The momenum direction will change if you define it at another place of the measured trajectory.

After a vertex fit the daughter particles will have their four-momenta defined at the decay vertex (that's the goal).
You may also (since yesterday) use GetDecayVertex() at your composite. You'll be returned a RhoVector3Err, which is basically a TVector3 and a 3x3 TMatrixD for the covariance.

Cheers
Ralf