
Subject: Re: Problem with reconstructed phi values
Posted by [Stefano Spataro](#) on Mon, 09 Feb 2009 14:12:10 GMT
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Hi,

if you are taking the values from lhetrack, that momentum is calculated at the last point of the tracking system. For this reason pz is fine, but not px and py.

In the tutorial (page 27) you can see the function to extrapolate the parameter at the vertex:

```
Float_t phic1 = tr1->ExtrapolateToZ(&mom1, &vertex1, 0. );
```

where tr1 is your lhetrack, &mom1 is a TVector3 of your momentum at the vertex (0 means z = 0).

Try to use that momentum, and let me know if you improve the results.
