
Subject: Re: Dirc+TOF

Posted by [Stefano Spataro](#) on Wed, 06 Aug 2008 16:45:24 GMT

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Exactly z_0 corresponds to the point (x_0, y_0, z_0) , where:

$$x_0 = d_0 \cdot \cos(\phi_0)$$

$$y_0 = d_0 \cdot \sin(\phi_0).$$

ϕ_0 = phi of the circle centre

d_0 = charge * $\text{Sqrt}(x_c^2 + y_c^2)$ - radius

(x_c, y_c is the centre of the circle)

I still do not see how this means that the particle is coming from 0,0,0. I don't know if this is correct, but this is the definition in the original Oleg's code.