
Subject: Re: Geane crashes in PndPidCorrelator

Posted by [Jens Sören Lange](#) on Sun, 07 Mar 2010 18:31:29 GMT

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Hi Stefano,

yes it is clear that in the code it does not depend explicitly on the particle type. But the results seem to tell us that it depends on the photon which is radiated along the track. Photos calculates the Bremsstrahlung (final state radiation) in the charged quark lines, proportional to $1/\text{mass}^4$ plus corrections and thus much more probable for electrons instead of muons (thus one might consider it as an inherent particle type dependance).

However, it means (and that is the important point) that Geane has a `_random_` component in the algorithm?

cheers, Soeren
