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Subject: Re: Bremsstrahlung and neutrals mergeing  
Posted by [Elisa Fioravanti](#) on Wed, 07 May 2014 11:43:41 GMT  
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Hello Klaus,

I tried the bremsstrahlung for the simulation of the decay:

chi\_cj->J/psi gamma

with J/psi->e+e-

I first selected a J/psi from e+e- candidates, and then

I did a 4C fit to the chi\_cj candidates.

If I look to the probability of the fit I obtained this distribution:

with a peak at zero.

But when I simulated the same decay mode, using the same macro,  
but without the bremsstrahlung, after the 4C fit I obtained this  
probability distribution:

uniform distributed from 0 to 1.

Do you have an idea on what's going on?

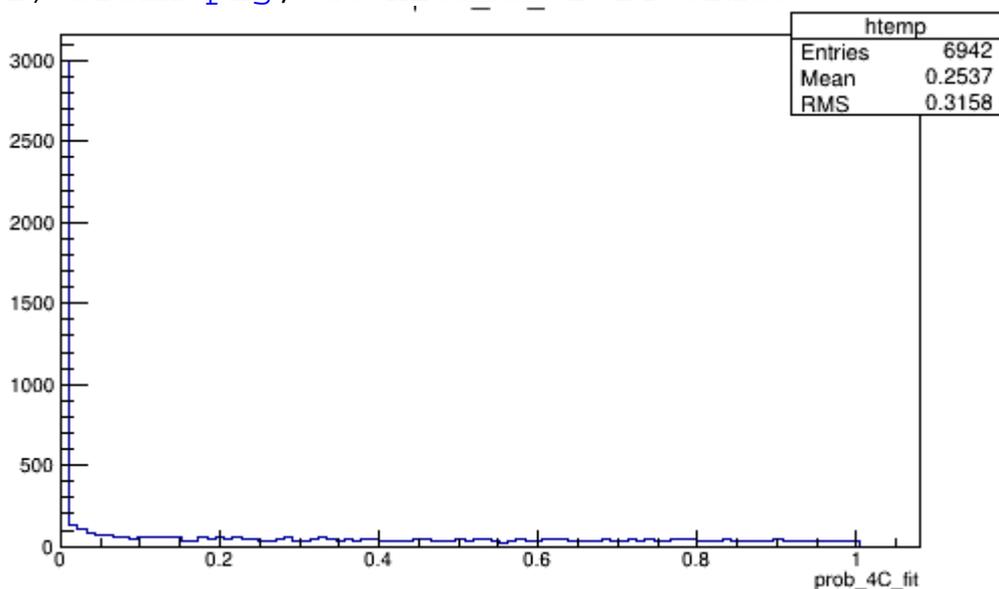
Thanks

Elisa

## File Attachments

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1) [bremm.png](#), downloaded 1014 times



2) [nobremm.png](#), downloaded 955 times

