Subject: Re: Bremsstrahlung and neutrals mergeing
Posted by Elisa Fioravanti on Wed, 07 May 2014 11:43:41 GMT
View Forum Message <> Reply to Message

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:
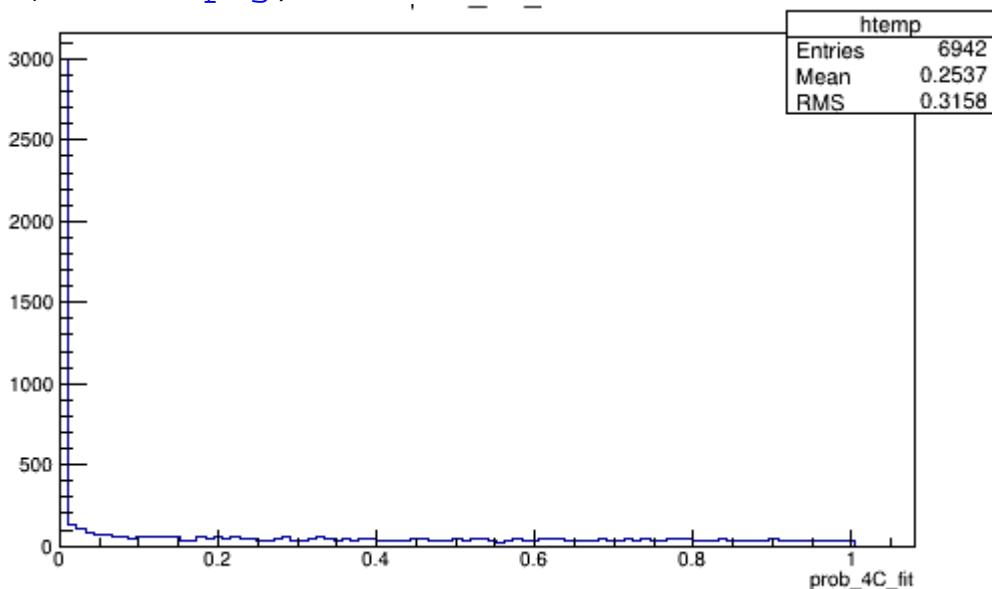
uniform distributed from 0 to 1.

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

Thanks
Elisa

File Attachments

1) bremm.png, downloaded 961 times

2) nobremm.png, downloaded 908 times

h_prob_vtx_c

Entries	7004
Mean	0.4959
RMS	0.2891