ctools - Support #2801

Wrong normalization values using ctlike

01/22/2019 04:54 PM - Aguirre-Santaella Alejandra

Status:	Closed		**Start date:**	01/22/2019
Priority:	Normal		**Due date:**	
Assigned To:	Tibaldo Luigi		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:				

Description

Hello,

I have been running ctobssim using a table as input for the xml file. I have two different classes of spectra, corresponding to masses 49 GeV and 52 GeV, and a factor to ease the detection. For the tables corresponding to 49 GeV everything seems to be ok (ctobssim and ctlike), but for 52 GeV the normalization given by ctlike is too high (for example, 375 instead of 1; if I constrain the maximum value at 10, I get 10). This implies high values of the TS for 52 GeV. I am going to upload two nohups containing all the logfiles. If something is not clear please ask.

Thank you.

History

#1 - 02/22/2019 09:29 AM - Tibaldo Luigi

- Tracker changed from Bug to Support

- Assigned To set to Tibaldo Luigi

- % Done changed from 0 to 50

Probably due to not using energy dispersion while studying sources with sharp energy features at low energies. Using energy dispersion fixed the issue on a simplified test case for me.
Awaiting for feedback from Alejandra.

#2 - 12/03/2019 09:42 AM - Aguirre-Santaella Alejandra

Yes, that was the problem; now it is solved. Thanks!

#3 - 12/03/2019 10:05 AM - Tibaldo Luigi

- Status changed from New to Resolved

- % Done changed from 50 to 100

Closed issue after feedback from Alejandra

#4 - 12/04/2019 12:33 AM - Knödlseder Jürgen

- Status changed from Resolved to Closed

Files

nohup-10.out	590 KB	01/22/2019	Aguirre-Santaella Alejandra
nohup-9.out	243 KB	01/22/2019	Aguirre-Santaella Alejandra