

## ctools - Bug #1870

### TS value of large components

10/06/2016 03:34 PM - Mayer Michael

<b>Status:</b>	New	<b>Start date:</b>	10/06/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
I recently made the test in simulating a few hundred hours of HESS data (only background) and analysing them with background and a large source in the FoV. Weirdly, the large component yields a TS value around ~100 for the unbinned analysis and ~10 for the stacked analysis. I hope to be able to provide a test case for CTA as well.			

### History

#### #1 - 10/06/2016 04:39 PM - Knödlseider Jürgen

- Target version set to 1.2.0

#### #2 - 10/06/2016 05:22 PM - Knödlseider Jürgen

A test case would indeed be good. I guess large means spatially large? How large was the component?

Maybe some issue with the Npred computation.

Did the ctlike fit converge easily or does the log file indicate issues?

#### #3 - 10/06/2016 05:26 PM - Mayer Michael

The component was about half the size of the FoV (maybe even extending across and the log-file didnt indicate any issues (no warnings whatsoever). I will try to reproduce this problem with a similar set of pointings for CTA IRFs. Then we might be able to track it down more easily.

#### #4 - 10/06/2016 08:33 PM - Knödlseider Jürgen

user#77 wrote:

The component was about half the size of the FoV (maybe even extending across and the log-file didnt indicate any issues (no warnings whatsoever). I will try to reproduce this problem with a similar set of pointings for CTA IRFs. Then we might be able to track it down more easily.

I was wondering how the ctlike fit went. Did the fit stall? Or had any other convergence issues? How many iterations did you need?

#### #5 - 03/03/2017 10:33 AM - Knödlseider Jürgen

- Target version changed from 1.2.0 to 1.3.0

#### #6 - 06/07/2017 05:44 PM - Knödlseider Jürgen

- Target version changed from 1.3.0 to 1.4.0

#7 - 08/01/2017 09:48 AM - Knödseder Jürgen

- Target version deleted (1.4.0)