ctools - Bug #1850

ctbin fails with segmentation fault

08/29/2016 02:56 PM - Mayer Michael

Status:	Closed	Start date:	08/29/2016
Priority:	High	Due date:	
Assigned To:	Mayer Michael	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.2.0		
Description		•	
The variable iebin is		e[iebin]. However, in case the cu	in, depending on the event energy. be is only a subset of the complete energy efore
int iebin = m_ebound	s.index(event->energy());		
can result in iebin=-1	. Therefore, we need to add a che	ck and replace the if statement by	y:
<pre>if (iebin == -1 !usag num_outside_ebds continue; }</pre>			

Note: we need to make sure that the first part of the condition is evaluated first. I recall we had some issues with the order how c++ executes the || statements.

History

#1 - 08/31/2016 10:25 AM - Mayer Michael

This problem can be reproduced by changing the energy range of one of the ctbin unit tests to e.g. 0.5-20 TeV instead of using 0.1-100 TeV throughout the tests.

#2 - 08/31/2016 01:41 PM - Mayer Michael

- Status changed from New to Pull request
- Assigned To changed from Knödlseder Jürgen to Mayer Michael

I fixed the problem using the above solution. I also added an additional unit test for ctbin with a different energy range (which would have failed before).

To avoid merging conflicts, I added the changes also on branch 1846-use-ctobservation-base-class (which is the same as for #1846).

#3 - 09/26/2016 10:03 AM - Knödlseder Jürgen

- Status changed from Pull request to Closed

Merged into devel.

#4 - 03/03/2017 10:52 AM - Knödlseder Jürgen

- % Done changed from 0 to 100