

ctools - Change request #2135

Use MigMatrixNoTheta2cut_offaxis and AngularPSF2DEtrue_offaxis for response generation from ROOT files

06/26/2017 03:25 PM - Knödseder Jürgen

Status:	Closed	Start date:	06/26/2017
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.3.1		
Description			
According to a request from Gernot the MigMatrixNoTheta2cut_offaxis and AngularPSF2DEtrue_offaxis histograms should be used for response generation from ROOT files:			
I think we need to rediscuss our approach.			
I've looked into the code from Eventdisplay to understand what has to be changed, and unfortunately:			
changes in the last three stages of the codes are required			
would need to rerun all these stages for North, South, and all observing times which takes about 4-5 days of computing time and production of many intermediate files			
would need to run all consistency tests again to make sure that the changes did not have any unexpected impact (2-3 days of manual work by myself).			
In practical sense, this means that I am not able to provide these updates IRFs before September (the ICRC is in 2 weeks, and I am on holidays directly after the ICRC).			
Given all of that, it would be much easier to adapt the science tools:			
<ul style="list-style-type: none">• use MigMatrixNoTheta2cut_offaxis• use AngularPSF2DEtrue_offaxis (and integrate this histogram to get the 68% or 80% containment radius). This histogram is right now only in the North IRFs, but I could provide them faster than the changes above also for the South IRFs.			
As I said, adding 1-2 functions to the converter would be much easier (all requested information is there for the North IRFs).			

History

#1 - 06/30/2017 04:12 PM - Knödseder Jürgen

- Status changed from New to Closed
- % Done changed from 0 to 100

Done and merged into bugfix-1.3.1 branch.