

ctools - Change request #2260

Support On/Off fitting in cspull

10/26/2017 01:29 PM - Knödseder Jürgen

Status:	Closed	Start date:	10/26/2017
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.5.0		
Description			

History

#1 - 10/26/2017 08:46 PM - Knödseder Jürgen

- Status changed from New to In Progress
- % Done changed from 0 to 80

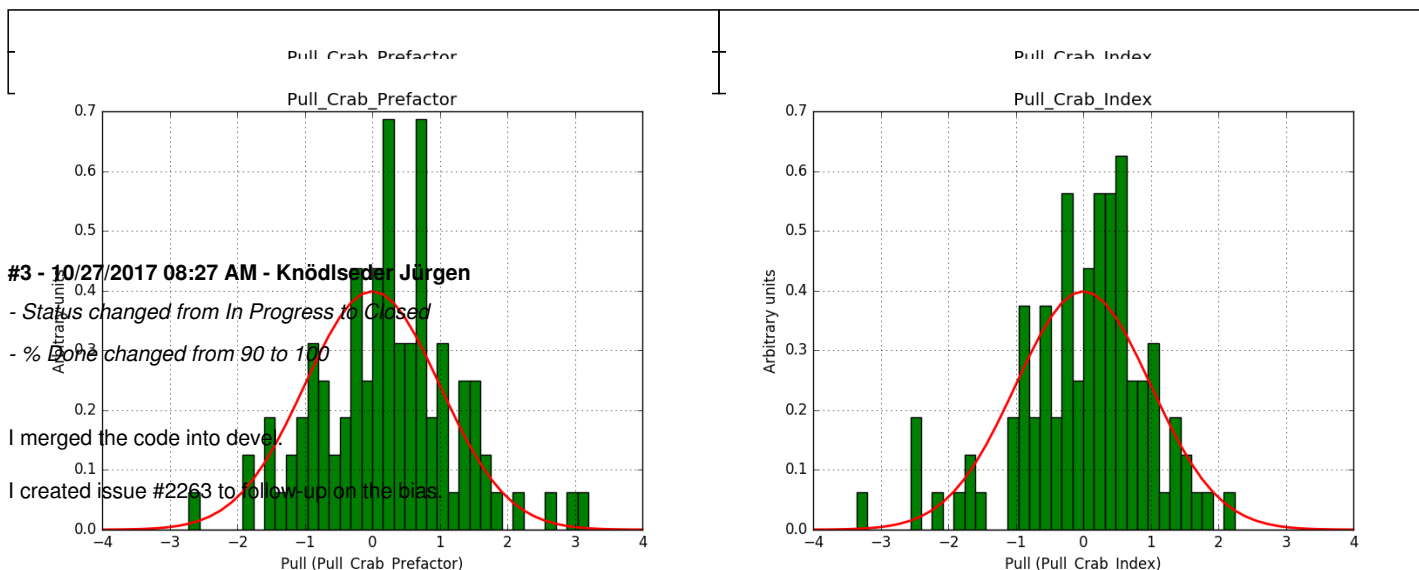
The simulation of On/Off observations was implemented in the obsutils.sim() function.

cspghen has been modified so that the number of true energy bins per decade can be selected. In addition, the true energy range is now always wider than the reconstructed energy range which turned out to be crucial for getting correct pull distributions. The etruemin, etruemax, and etruebin parameters were added to cspghen.

#2 - 10/26/2017 10:16 PM - Knödseder Jürgen

- File Prefactor10.png added
- File Index10.png added
- File Prefactor20.png added
- File Index20.png added
- % Done changed from 80 to 90

Below pull distributions for 10 (top) and 20 (bottom) reconstructed energy bins. There seems to be a small bias towards too large prefactors.



Files

Prefactor10.png	40.3 KB	10/26/2017	Knödseder Jürgen
Index10.png	39 KB	10/26/2017	Knödseder Jürgen
Prefactor20.png	40.4 KB	10/26/2017	Knödseder Jürgen
Index20.png	39 KB	10/26/2017	Knödseder Jürgen