

GammaLib - Action #1465

Implement a rejection method to draw MC samples from a diffuse map or cube

05/22/2015 05:42 PM - Knödseder Jürgen

Status:	Closed	Start date:	05/22/2015
Priority:	Urgent	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.0.0		
Description			
<p>The mc() methods of GModelSpatialDiffuseMap and GModelSpatialDiffuseCube sample in fact random positions within a pixel, leading to substantial differences between MC data and model computation in case of coarse map binning.</p> <p>The mc() methods should implement a rejection method so that the MC samples match the bilinear interpolations done on the model. This should fix the discrepancies between model and MC samples that is at the origin of mismatches between simulated and fitted values.</p>			

History

#1 - 06/01/2015 05:34 PM - Knödseder Jürgen

- Status changed from *New* to *Feedback*
- % Done changed from 0 to 100

A rejection method has been implemented for the diffuse map and the diffuse cube model.

#2 - 10/16/2015 11:23 PM - Knödseder Jürgen

- Status changed from *Feedback* to *Closed*
- Remaining (hours) set to 0.0

Is implemented since a while and no issue came up, so I close this now.