GammaLib - Action #1245

Add fill method to GSkymap

07/08/2014 09:25 AM - Knödlseder Jürgen

Status:	New	**Start date:**	07/08/2014
Priority:	Normal	**Due date:**	
Assigned To:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			

Description

Add a fill method to GSkymap to fill individual events into a skymap. The should take on input a GEvent object:

GSkymap::fill(const GEvent& event);

It may also be useful to add a variant that takes as second argument an GEbounds object that allows mapping of the event energy to a map index. The interface would then be

GSkymap::fill(const GEvent& event, const GEbounds& ebounds);

Also, one could add a variant that takes an event container:

GSkymap::fill(const GEvents& events);

which then would loop over all events found in the container and fill them into the skymap. We then would also need:

GSkymap::fill(const GEvents& events, const GEbounds& ebounds);