

## GammaLib - Action #1940

### Load CTA IRF upon demand

03/03/2017 05:03 PM - Knödlseider Jürgen

<b>Status:</b>	Closed	<b>Start date:</b>	03/03/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Knödlseider Jürgen	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.3.0		
<b>Description</b>			
The loading of a CTA observation definition XML file takes a long time, probably because the response functions are loaded for each observation. It should be investigated whether the loading of the IRF upon demand accelerates things.			

### History

#### #1 - 03/22/2017 11:23 PM - Knödlseider Jürgen

- Status changed from New to In Progress
- Assigned To set to Knödlseider Jürgen
- % Done changed from 0 to 80

It turned out that the energy dispersion loading in GCTAEdisp2D is the bottle neck of the observation definition XML file loading.

I therefore implemented lazy loading for the energy dispersion information. The fetch() method was introduced for this purpose. The method should be thread safe (it was copied basically from the GCTAEventList::fetch() method).

#### #2 - 03/23/2017 09:38 PM - Knödlseider Jürgen

- Status changed from In Progress to Closed
- % Done changed from 80 to 100

Merged into devel.