

## GammaLib - Action #1110

Feature # 1036 (Closed): Implement energy resolution

### Write a test case

01/28/2014 10:06 AM - Knödlseider Jürgen

<b>Status:</b>	Closed	<b>Start date:</b>	12/10/2013
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Owen Ellis	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Stage Florent		
<b>Description</b>			

### History

#### #1 - 01/29/2014 11:34 AM - Deil Christoph

- Status changed from New to In Progress
- Assigned To set to Owen Ellis

#### #2 - 01/31/2014 02:54 PM - Owen Ellis

- % Done changed from 0 to 50

[https://github.com/ellisowen/gammalib/tree/action\\_1105\\_b](https://github.com/ellisowen/gammalib/tree/action_1105_b)

currently a bug in the unit test - I'm working on this at the moment to resolve the issue.

#### #3 - 01/31/2014 10:19 PM - Knödlseider Jürgen

- % Done changed from 50 to 60

On the flight back I implemented the integration in GCTAResponse::nedisp which does basically the same as your unit test. While doing this I recognized that there were some errors in the function computation, which I corrected. Now the energy dispersion integrated to unity.

I merged in your action\_1105\_b, did some minor cosmetic adjustments, and this now also seems to work. So you may close the issue, unless you want to add more testing steps.

I merged the 1036-implement-energy-resolution branch into integration, as I worked in the meanwhile on the GCaldb class, and this led to a divergence of the code. So CTA energy dispersion is now implemented in GammaLib!

Still needs some testing, but at least everything compiles and all unit tests are okay.

#### #4 - 02/15/2014 11:33 AM - Deil Christoph

- Status changed from In Progress to Resolved
- % Done changed from 60 to 100

#### #5 - 02/16/2014 03:15 AM - Knödlseider Jürgen

- Status changed from Resolved to Feedback

**#6 - 07/19/2014 02:10 AM - Knödlseider Jürgen**

- *Target version deleted (2nd coding sprint)*

**#7 - 10/30/2014 11:50 AM - Knödlseider Jürgen**

- *Status changed from Feedback to Closed*

- *Remaining (hours) set to 0.0*

**#8 - 02/18/2015 06:34 PM - Knödlseider Jürgen**

- *Target version set to Stage Florent*