# GammaLib - Bug #1492

## LogParabola flux method returns nan

06/30/2015 03:23 PM - Buehler Rolf

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|---|---|---|---|
| **Status:** | Closed | **Start date:** | 06/30/2015 |
| **Priority:** | Normal | **Due date:** | |
| **Assigned To:** | | **% Done:** | 0% |
| **Category:** | | **Estimated time:** | 0.00 hour |
| **Target version:** | | | |

**Description**

Running on gammalib v0.10.0 on Ubuntu 14.04 the following lines:

```
import gammalib as gl
crab =  gl.GModels("/home/buehler/Code/gammalib/test/data/model_point_logparabola.xml")
crab["Crab"].spectral().flux(gl.GEnergy(1,"TeV"),gl.GEnergy(10,"TeV"))
```

results in:

+++ WARNING in GIntegral::romberg(1e+06, 1e+07, 5): Integration uncertainty nan exceeds absolute tolerance of nan after 21 iterations. Result -nan is inaccurate.

This was very likely the cause of the problem I reported in ctools Issue #1447 https://cta-redmine.irap.omp.eu/issues/1447

### History

**#1 - 10/30/2015 10:46 PM - Knödlseder Jürgen**

Can you check whether the problem still exists on the actual code?

Michael has reported a similar problem (#1556) which was traced back to the problem of invalid references. Michael's problem has been fixed.

**#2 - 12/03/2015 10:25 AM - Buehler Rolf**

Running on Version: 1.1.0.dev (22 November 2015) the problem is gone (no warning appears and the returned value looks reasonable)

**#3 - 12/03/2015 10:34 AM - Knödlseder Jürgen**

*- Status changed from New to Closed*

Thus close the issue.