

ctools - Bug #3423

show_lightcurve.py segmentation fault

10/29/2020 01:12 PM - Chernyakova Masha

Status:	Closed	Start date:	10/29/2020
Priority:	Normal	Due date:	
Assigned To:	Knödseder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	1.7.3		
Description			
On Ubuntu computers run of show_lightcurve.py (using ctools 1.7.2) leads to a segmentation fault. The easy solution for this problem is to import matplotlib before the gammalib.			
Related issues:			
Related to ctools - Bug # 3260: Bug with \$CTOOLS/share/examples/python/show_r...		Closed	07/02/2020

History

#1 - 10/29/2020 05:24 PM - Knödseder Jürgen

Could you please specify the Ubuntu version, and also whether you use the Ubuntu Python or a special installation (e.g. conda)?

#2 - 11/02/2020 09:19 AM - Knödseder Jürgen

Masha:

I've used

Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-178-generic x86_64)

and it was a conda installation.

If the matplotlib is imported after gammalib than the crash happens just at the moment of the matplotlib import.

To pin the problem more precisely, the crash happens if I do e.g:

```
import gammalib
import matplotlib.pyplot as plt
plt.figure()
```

This is what is used in show_lightcurve.py

Everything works fine if I import the matplotlib.pyplot first (before gammalib)

This problem happens under Ubuntu 16.04.6 both with conda installed Python 2.7.15 and Python 3.7.3

There is no such a problem for Mac.

#3 - 12/02/2020 08:30 AM - Knödseder Jürgen

- Status changed from New to In Progress
- Assigned To set to Knödseder Jürgen
- Target version set to 1.7.3
- % Done changed from 0 to 50

I inverted the import as suggested.

#4 - 12/02/2020 08:35 AM - Knödseder Jürgen

- Related to Bug #3260: Bug with \$CTOOLS/share/examples/python/show_residuals.py added

#5 - 12/09/2020 12:16 PM - Knödseder Jürgen

- Status changed from In Progress to Closed
- % Done changed from 50 to 100