

GammaLib - Bug #4198

Saving an empty GModelSpectralTable model leads to a segmentation fault

01/13/2023 02:00 PM - Knödlseeder Jürgen

<b>Status:</b>	Closed	<b>Start date:</b>	01/13/2023
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Knödlseeder Jürgen	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.1.0		
<b>Description</b>			
<pre>&gt;&gt;&gt; import gammalib &gt;&gt;&gt; spectrum=gammalib.GModelSpectralTable() &gt;&gt;&gt; spectrum.save('spectrum.fits') Segmentation fault: 11</pre>			

History

#1 - 01/13/2023 02:06 PM - Knödlseeder Jürgen

- Status changed from New to Pull request
- % Done changed from 0 to 100

The problem is easily fixed by changing the code as follows:

```
GFitsBinTable GModelSpectralTable::create_spec_table(void) const
{
    // Compute number of rows
    int nrows = 0;
    if (m_spectra.dim() > 0) {
        nrows = 1;
        for (int i = 0; i < m_spectra.dim()-1; ++i) {
            nrows *= m_spectra.shape()[i];
        }
    }
}
```

This results in

```
$ python
>>> import gammalib
>>> spectrum=gammalib.GModelSpectralTable()
>>> spectrum.save('spectrum.fits')
>>> ^D
```

**#2 - 01/13/2023 08:09 PM - Knödseder Jürgen**

*- Status changed from Pull request to Closed*

Merged into devel.