

GammaLib - Bug #4198

Saving an empty GModelSpectralTable model leads to a segmentation fault

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

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

History

#1 - 01/13/2023 02:06 PM - Knödseder 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 gammlib
>>> spectrum=gammlib.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.