

LArSoft - Bug #17897

MARLEYHelper fails to load ROOT-based neutrino spectra

10/12/2017 06:00 PM - Steven Gardiner

| | | | |
|------------------------|-----------------|------------------------|------------|
| Status: | Resolved | Start date: | 10/12/2017 |
| Priority: | Normal | Due date: | |
| Assignee: | Steven Gardiner | % Done: | 0% |
| Category: | Simulation | Estimated time: | 0.00 hour |
| Target version: | | Spent time: | 0.00 hour |
| Occurs In: | | Co-Assignees: | |
| Experiment: | - | | |

Description

Running the dune_{tpc} FHiCL script

```
prodmalley_nue_spectrum_dune10kt_1x2x6.fcl
```

yields the following error message:

```
Loading reaction data from file /cvmfs/fermilab.opensciencegrid.org/products/larsoft/marley/v1_0_0
a/Linux64bit+2.6-2.12-e14-prof/share/marley/react/ve40ArCC_2009.react
Added reaction ve + 40Ar --> 40K* + e-
[ERROR]: Unrecognized MARLEY neutrino source type 'tgraph'%MSG-s StdLibException: MARLEYGen:gener
ator@Construction 09-Oct-2017 05:59:03 CDT ModuleConstruction
Standard library exception caught in art
Unrecognized MARLEY neutrino source type 'tgraph'
%MSG
Art has completed and will exit with status 66.
```

The old version of the MARLEYGen module (in pre-MARLEYHelper versions of LArSoft, e.g., v06_46_00) runs normally.

History

#1 - 10/12/2017 06:08 PM - Steven Gardiner

This problem arises because MARLEYHelper uses a marley::JSON object instead of a marley::RootJSON object to interpret the generator configuration.

#2 - 10/12/2017 06:33 PM - Steven Gardiner

- Status changed from New to Resolved

This issue is resolved by [larsim:7f3c6c5](#).