

art - Bug #5167

Data product sizes reported by FileDumperOutput

01/08/2014 04:46 PM - Rob Kutschke

| | | | |
|------------------------|----------|------------------------|------------|
| Status: | Rejected | Start date: | 01/08/2014 |
| Priority: | Normal | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | | Spent time: | 0.00 hour |
| Occurs In: | | Experiment: | Mu2e |
| Scope: | Internal | SSI Package: | |

Description

For most Mu2e data products, the collection type is defined by:

```
namespace mu2e {  
typedef std::vector<Foo> FooCollection;  
}
```

In a few cases we have collection types defined by:

```
namespace mu2e {  
FooCollection : public std::vector<Foo> {};  
}
```

We have used the FileDumperOutput module to look at a file containing both kinds of collections. For data products that are defined using the typedef style definition, the size is reported correctly. For data products that are defined using public inheritance from std::vector the module reports a size of "-"; that is, it believes that the data product class does not have a size function.

History

#1 - 01/13/2014 12:10 PM - Christopher Green

- Status changed from New to Rejected

Rejected per conversation with ROB K. In general, one should not inherit from STL classes because they do not have virtual destructors.