art - Bug #14664

Ambiguous error type when getProductID fails

11/23/2016 04:27 PM - Kyle Knoepfel

Status:	Closed		**Start date:**	11/23/2016
Priority:	Normal		**Due date:**	
Assignee:	Kyle Knoepfel		**% Done:**	100%
Category:	I/O		**Estimated time:**	4.00 hours
Target version:	2.06.00		**Spent time:**	3.00 hours
Occurs In:			**Experiment:**	LArSoft
Scope:	Internal		**SSI Package:**	art

Description

Whenever an attempt to retrieve a ProductID fails via a call to the function getProductID, an art::Exception is thrown with an ambiguous error code InsertFailure.

Related issues:

Precedes LArSoft - Necessary Maintenance #15525: Removal of an exception cate...	**Closed**	**11/24/2016**	**11/24/2016**

History

#1 - 11/28/2016 11:22 AM - Christopher Green

- Category set to I/O

- Status changed from New to Assigned

- Assignee set to Kyle Knoepfel

- Target version set to 2.06.00

- Estimated time set to 4.00 h

- Experiment LArSoft added

- Experiment deleted (-)

- SSI Package art added

- SSI Package deleted ()

#2 - 11/29/2016 03:33 PM - Kyle Knoepfel

- Subject changed from Erroneous error type when getProductID fails to Ambiguous error type when getProductID fails

- Description updated

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

The original diagnosis of this error was incorrect--the problem is that the InsertFailure error code was being used in two contexts:

1. Product registration failure, and
2. Product putting failure.

To solve this problem, we have separated the InsertFailure code into a ProductRegistrationFailure code and a ProductPutFailure code. Whereas product-registration failures will now be signaled by the ProductRegistrationFailure error code, we are willing to retain the InsertFailure code for product-putting failures if the stakeholders deem that migrating to ProductPutFailure would cause unnecessarily burdensome backwards incompatibilities. We will poll the stakeholders for their input, encouraging the migration of InsertFailure to ProductPutFailure.

Resolved with:

- canvas:7ff89cd7
- canvas:1e68c881
- art:40bccc87
- art:2aa6b9b8

#3 - 02/07/2017 03:22 PM - Kyle Knoepfel

- Status changed from Resolved to Closed

#4 - 02/13/2017 03:13 PM - Gianluca Petrillo

- Precedes Necessary Maintenance #15525: Removal of an exception category in art 2.06 added