art - Bug #4603

InputTag string parsing breaks for empty instance name

08/29/2013 12:42 AM - Andrei Gaponenko

Status:	Closed		**Start date:**	08/29/2013
Priority:	High		**Due date:**	
Assignee:	Christopher Green		**% Done:**	100%
Category:	Infrastructure		**Estimated time:**	4.00 hours
Target version:	1.08.09		**Spent time:**	1.50 hour
Occurs In:			**Experiment:**	Mu2e
Scope:	Internal		**SSI Package:**	art

Description

Hi,

InputTag.h promises to parse strings in the form "label:instance:process".
That indeed works for input strings like "g4run:aaa:MyProcess".
However data products with an empty instance name are not treated properly.
A string "g4run::MyProcess" gives InputTag with instance=MyProcess instead
of the requested emtpy instance name.

Andrei

Associated revisions

Revision bd636ebb - 09/06/2013 06:39 PM - Christopher Green

Test and fix for issue #4603

History

#1 - 08/29/2013 04:40 PM - Christopher Green

- Category set to Infrastructure

- Target version set to 401

- Estimated time set to 4.00 h

- Experiment Mu2e added

- Experiment deleted (-)

Behavior verified and localized to behavior of general utility function cet::split. Unfortunately, a survey of use of cet::split() elsewhere indicates that the behavior here found to be undesirable is actually required other places it is used. This means that the undesirable behavior should be addressed in art::InputTag, probably by using some other method than cet::split(). Otherwise, one could envisage an overload of cet::split() taking a dummy extra argument (say, cet::empty_fields) with the desired behavior.

#2 - 09/06/2013 06:47 PM - Christopher Green

- Status changed from New to Resolved

- Assignee set to Christopher Green

- % Done changed from 0 to 100

- SSI Package art added

- SSI Package deleted ()

Call the correct Boost function instead of writing our own. Fix and test with bd636eb.

#3 - 09/19/2013 02:24 PM - Christopher Green

- Status changed from Resolved to Closed

#4 - 11/01/2013 10:19 AM - Christopher Green

- Target version changed from 401 to 1.08.09