NuEvdb - Bug #23575

Instance name in services.RecoDrawingOptions.WireModuleLabels

11/10/2019 03:02 PM - Tingjun Yang

Status:	Closed		**Start date:**	11/10/2019
Priority:	Normal		**Due date:**	
Assignee:	Kyle Knoepfel		**% Done:**	100%
Category:			**Estimated time:**	2.00 hours
Target version:			**Spent time:**	4.00 hours

Description

I am encountering the same issue Gianluca reported a while ago: #10538. This has become a real problem rather than just an annoyance.

In the protodune event display fcl file evd_protoDUNE_data.fcl we have the following configuration:

```
services.RecoDrawingOptions.WireModuleLabels: ["caldata", "digitwire", "wclsdatasp:gauss", "caldata:dataprep"]
```

This is needed because different production files save recob::Wires with different module names.

Running this fcl file on a reconstructed file displays the event (including wire signal) correctly. However, if we want to make any changes (e.g. disable drawing tracks) in the event display, the following error comes up and any changes will be ignored:

```
%MSG
%MSG-e ServiceTable:  PostProcessPath end_path 10-Nov-2019 14:44:45 CST  run: 5809 subRun: 1 event
: 4503 ServiceTable.cxx:86
Error parsing the new configuration:
---- Parse error BEGIN
  detected at or near line 65, character 47, of file "-"

  WireModuleLabels:[caldata,digitwire,wclsdatasp:gauss,caldata:dataprep]
                                              ^
---- Parse error END

Re-configuration has been ignored for service: RecoDrawingOptions
%MSG
```

To reproduce this problem, one can run

```
lar -c evd_protoDUNE_data.fcl xroot://fndca1.fnal.gov:1094/pnfs/fnal.gov/usr/dune/tape_backed/dune
pro/protodune-sp/full-reconstructed/2019/detector/noise/PDSPProd2/00/00/58/09/np04_raw_run005809_0
004_dl6_reco_22481539_0_20190828T152758.root
```

Click on the "Reconstructed" radio button on the bottom and the event is correctly display.

Then do Edit->Configure Drawing->RecoDrawingOptions. Make any change, for example, change "DrawTracks" from 3 to 0, hit enter so the number turns black and then click "Apply".

Related issues:

Is duplicate of NuTools - Bug #10659: Issues reading data products with insta...	**Closed**	**10/27/2015**

History

#1 - 11/10/2019 03:03 PM - Tingjun Yang

- File Screen Sharing Picture November 10, 2019 at 3.00.41 PM CST.png added

#2 - 11/11/2019 10:36 AM - Kyle Knoepfel

- Estimated time set to 2.00 h

- Assignee set to Kyle Knoepfel

- Status changed from New to Assigned

We will investigate.

#3 - 11/19/2019 01:45 PM - Kyle Knoepfel

- % Done changed from 0 to 100

- Status changed from Assigned to Resolved

- Project changed from LArSoft to NuEvdb

- Experiment deleted (-)

The problem is understood. There was insufficient protection of FHiCL values under reconfiguration. This has been fixed with commit
nuevdb:224af8d7.

#4 - 11/20/2019 10:03 AM - Lynn Garren

This fix is in nuevdb v1_01_01

#5 - 01/08/2020 11:56 AM - Kyle Knoepfel

- Status changed from Resolved to Closed

#6 - 01/08/2020 12:49 PM - Gianluca Petrillo

- Is duplicate of Bug #10659: Issues reading data products with instance names in the event display added

Files

Screen Sharing Picture November 10, 2019 at 3.00.41 PM CST.png	258 KB	11/10/2019	Tingjun Yang