LArSoft - Bug #18868

new warning from gcc 6.4.0 in larreco TrackFinder

02/01/2018 12:29 PM - Lynn Garren

Status:	Resolved		**Start date:**	02/01/2018
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	100%
Category:	Reconstruction		**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour
Occurs In:	v06_67_00		**Co-Assignees:**	
Experiment:	LArSoft			

Description

TrackFinder Track3DKalmanSPS_module.cc defines uniqueSpptIt, but does not use the variable. This is picked up as a warning and treated as an error by gcc 6.4. Since it appears that the definition has side effects, this code should be reviewed and fixed by the experts.

```
            art::PtrVector<recob::SpacePoint>::iterator uniqueSpptIt =
        std::set_union(spacepointssExcise.begin(),spacepointssExcise.end(),
                    spacepointssExcise.begin(),spacepointssExcise.end(),
```

As a workaround, "cet_add_compiler_flags(CXX -Wno-unused-but-set-variable)" has been added to TrackFinder/CMakeLists.txt

Associated revisions

Revision cd77cd54 - 02/01/2018 02:41 PM - Gianluca Petrillo

Remove unused variable.

This solves issue #18868.

History

#1 - 02/01/2018 12:32 PM - Lynn Garren

- Occurs In v06_67_00 added

- Occurs In deleted (v06_66_00)

#2 - 02/01/2018 02:32 PM - Gianluca Petrillo

- Category set to Reconstruction

- Status changed from New to Resolved

- % Done changed from 0 to 90

I have verified that the result of the incriminated line can be discarded with no side effects.

#3 - 02/01/2018 02:40 PM - Gianluca Petrillo

Ops, I should clarify: the new code should look like:

```
        std::set_union(spacepointssExcise.begin(),spacepointssExcise.end(),
                    spacepointssExcise.begin(),spacepointssExcise.end(),
                    spacepointssExcise.begin()
                    );
```

so only the part on the first line, art::PtrVector<recob::SpacePoint>::iterator uniqueSpptIt =, is superfluous.

#4 - 02/01/2018 02:53 PM - Gianluca Petrillo

The fix was pushed into develop branch of larreco.

#5 - 02/01/2018 02:53 PM - Gianluca Petrillo

- % Done changed from 90 to 100