

LArSoft - Support #16162

Support # 16096 (Closed): Fix problems found when attempting to build with gcc 6.3.0

dunetpc misleading indentations

04/11/2017 07:03 PM - Lynn Garren

Status:	Closed	Start date:	04/11/2017
Priority:	Normal	Due date:	
Assignee:	Tingjun Yang	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	1.00 hour
Experiment:	DUNE	Co-Assignees:	

Description

There are a number of misleading indentations in `dunetpc/dune/DetSim/SimWireDUNE10kt_module.cc`

When looking at the code, it is not at all certain what the author intended. Please add explicit curly braces and commit the fix to the head of develop.

```
    if (prepost) {
        for(unsigned int i = 0; i < signalSize; ++i){
            if(view==geo::kU)    { tnoisepre = noise_a_Upre[i]; tnoisepost = noise_a_Upost[i];
        }
            else if(view==geo::kV) { tnoisepre = noise_a_Vpre[i]; tnoisepost = noise_a_Vpost[i]; }
            else                    { tnoisepre = noise_a_Zpre[i]; tnoisepost = noise_a_Zpost[i]; }

        tmpfv = tnoisepre + fChargeWorkPreSpill_a[i];
        //allow for ADC saturation
        if ( tmpfv > adcsaturation - ped_mean)
            tmpfv = adcsaturation- ped_mean;
        //don't allow for "negative" saturation
        if ( tmpfv < 0- ped_mean )
            tmpfv = 0- ped_mean;
        adcvecPreSpill_a[i] = (tmpfv >=0) ? (short) (tmpfv+0.5) : (short) (tmpfv-0.5);
        tmpfv = tnoisepost + fChargeWorkPostSpill_a[i];
        //allow for ADC saturation
        if ( tmpfv > adcsaturation - ped_mean)
            tmpfv = adcsaturation- ped_mean;
        //don't allow for "negative" saturation
        if ( tmpfv < 0 - ped_mean)
            tmpfv = 0- ped_mean;
        adcvecPostSpill_a[i] = (tmpfv >=0) ? (short) (tmpfv+0.5) : (short) (tmpfv-0.5);
    }
}

if (prepost) {
    for(unsigned int i = 0; i < signalSize; ++i){
        if(view==geo::kU)    { tnoisepre = rGauss_Ind.fire(); tnoisepost = rGauss_Ind.fire()
; }
            else if(view==geo::kV) { tnoisepre = rGauss_Ind.fire(); tnoisepost = rGauss_Ind.fire()
; }
            else                    { tnoisepre = rGauss_Col.fire(); tnoisepost = rGauss_Col.fire()
; }

        tmpfv = tnoisepre + fChargeWorkPreSpill_a[i];
        //allow for ADC saturation
        if ( tmpfv > adcsaturation - ped_mean)
            tmpfv = adcsaturation- ped_mean;
        //don't allow for "negative" saturation
        if ( tmpfv < 0 - ped_mean)
            tmpfv = 0- ped_mean;
        adcvecPreSpill_a[i] = (tmpfv >=0) ? (short) (tmpfv+0.5) : (short) (tmpfv-0.5);
        tmpfv = tnoisepost + fChargeWorkPostSpill_a[i];
```

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    //allow for ADC saturation
    if ( tmpfv > adcsaturation - ped_mean)
        tmpfv = adcsaturation- ped_mean;
    //don't allow for "negative" saturation
    if ( tmpfv < 0 - ped_mean)
        tmpfv = 0- ped_mean;
    adcvecPostSpill_a[i] = (tmpfv >=0) ? (short) (tmpfv+0.5) : (short) (tmpfv-0.5);
}
}
}
```

History

#1 - 04/11/2017 08:41 PM - Tingjun Yang

- Status changed from Assigned to Resolved

Fixed in [dunetpc:d21aef601f017e8c03bc673ed870e5fbec143ded](#) and [dunetpc:a7de9ec9e83bb5e63628c50a1d87aff67c367062](#)

#2 - 04/12/2017 11:00 AM - Lynn Garren

- % Done changed from 0 to 100

#3 - 04/17/2017 11:24 AM - Lynn Garren

- Status changed from Resolved to Closed