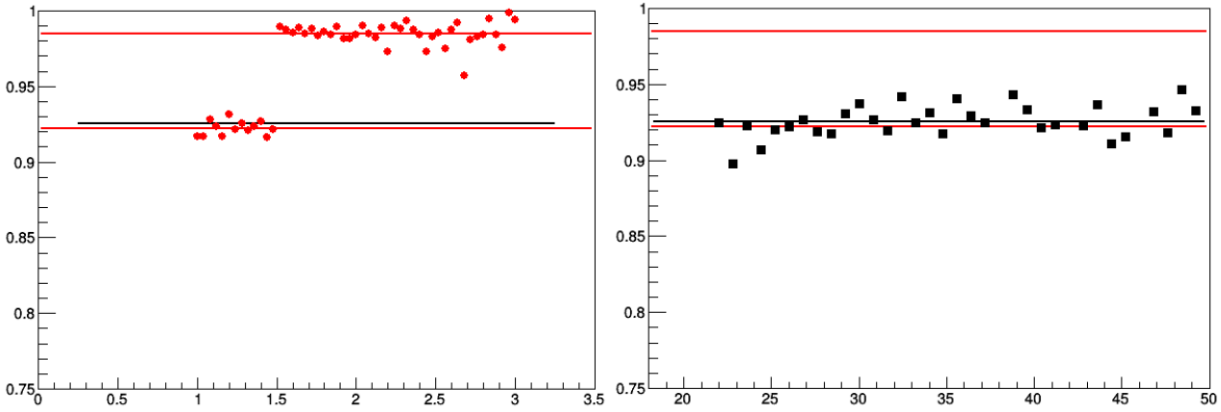
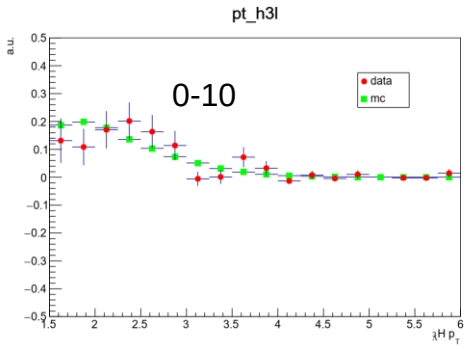
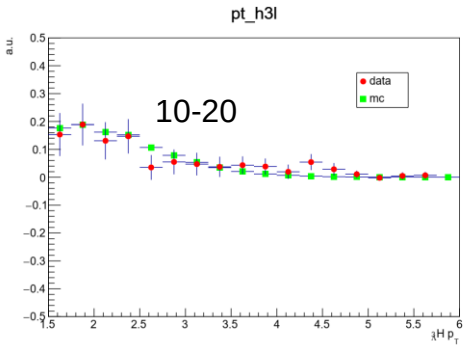
check

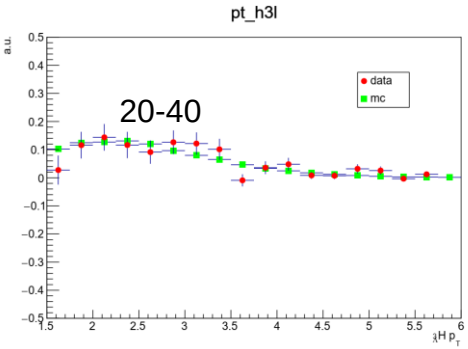
N_evt	Code to calc eff	Eff_pid	B.R.
1.Check N_evt is an after-cut N_evt 2.Fill N_evt of different centrality 3.Already submitted jobs, now ~35/36 statistics	1.When adding rapidity-weight, made a mistake at normalization. Normalized to make rap-weighted reco-mc coincide with the rap-unweighted one. 2.Now all weight no longer change the total number of raw mc	1.First get the he3 eff_pid vs p/q or dEdx, piecewise constant. 2.Input eff_pid vs p or dEdx as a weight in reco-mc.	Divide a B.R. of 0.25 when calculating h3l invariant yield.

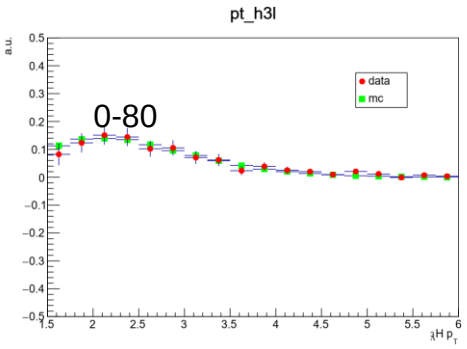


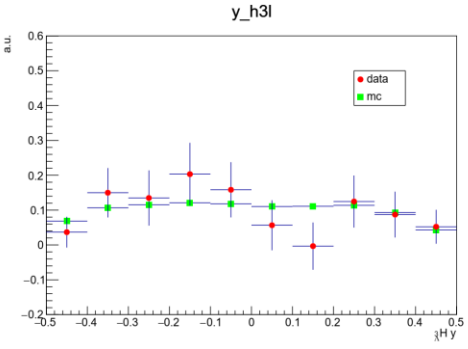
mc vs data (reco)

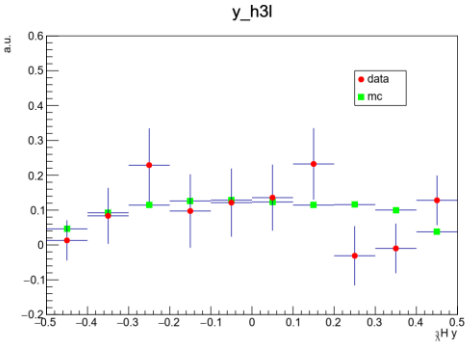


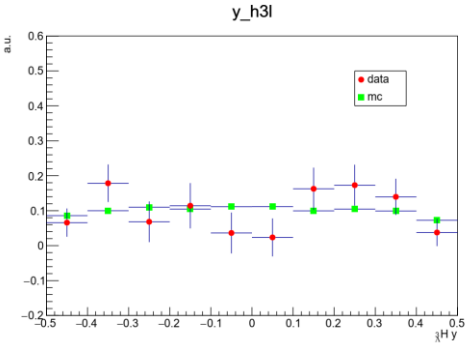


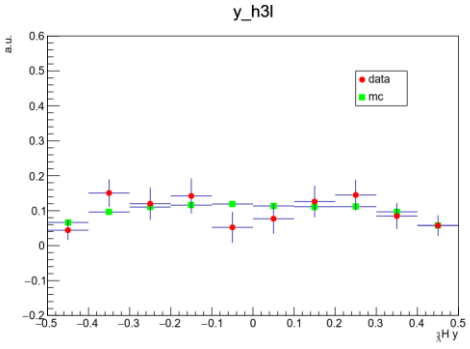




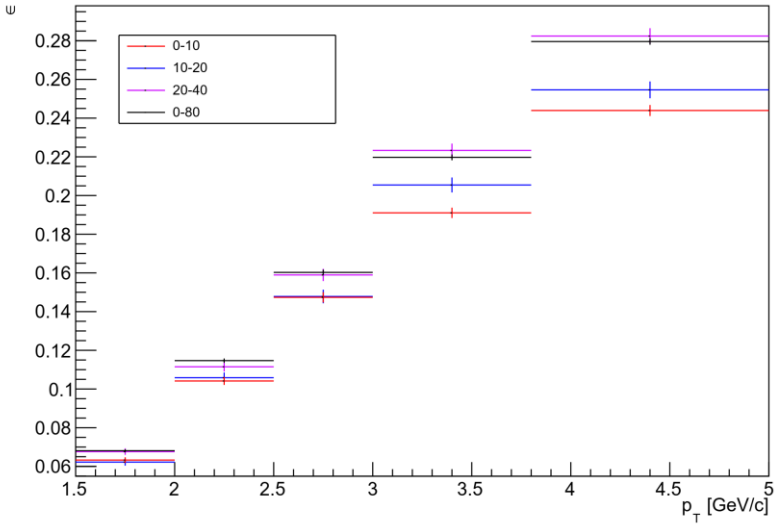


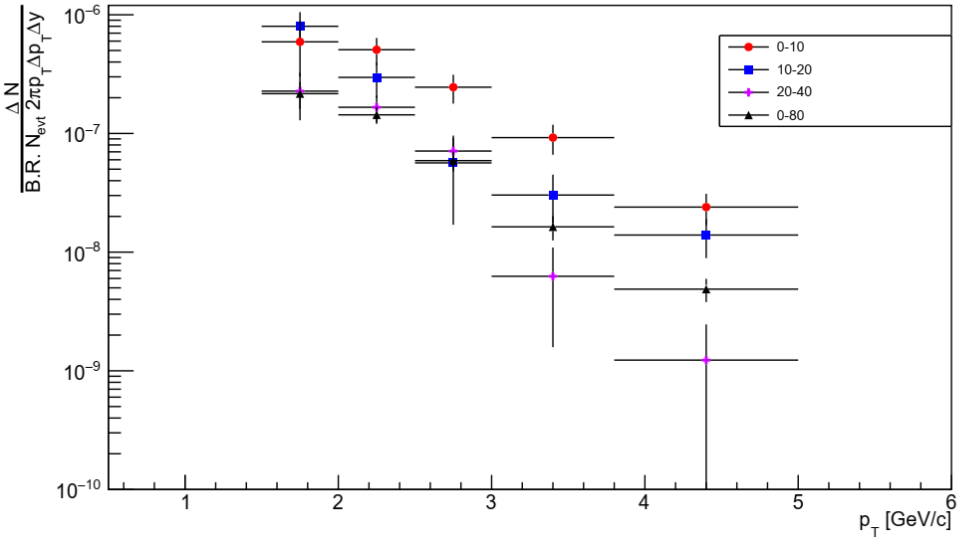


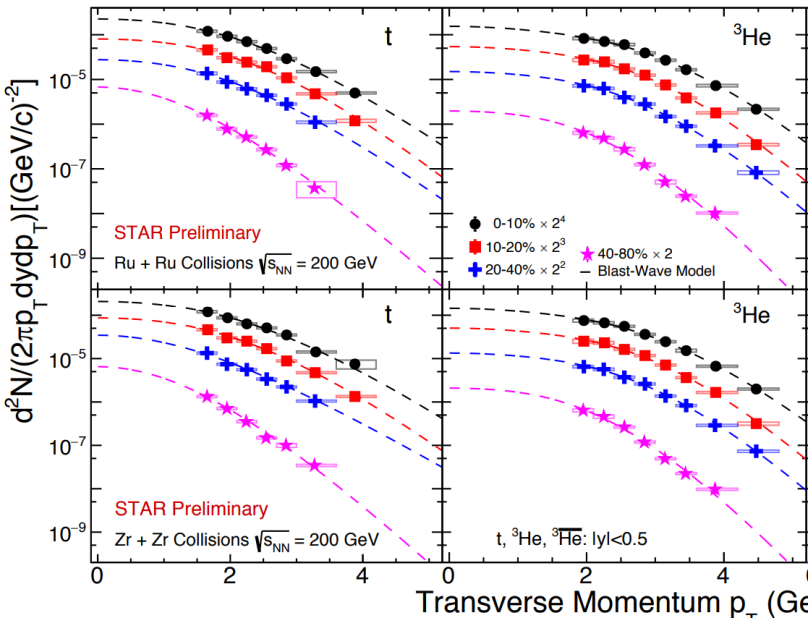




Yield







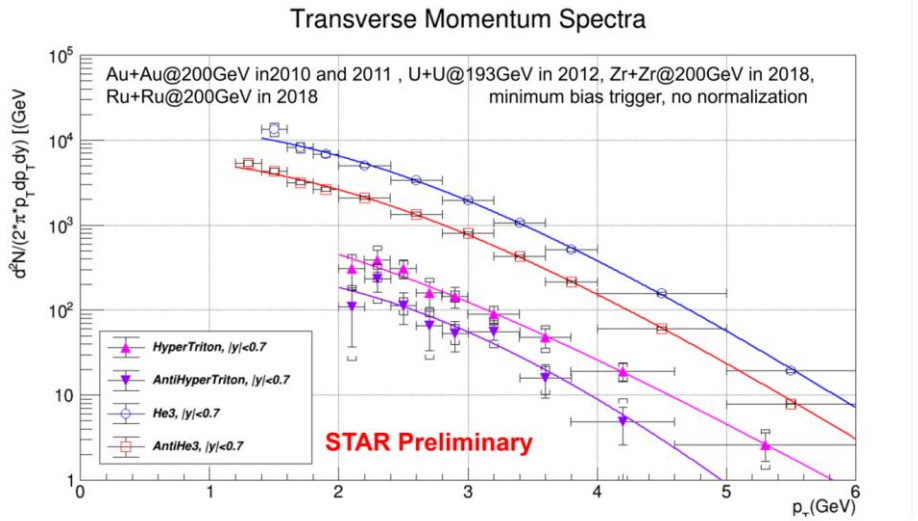
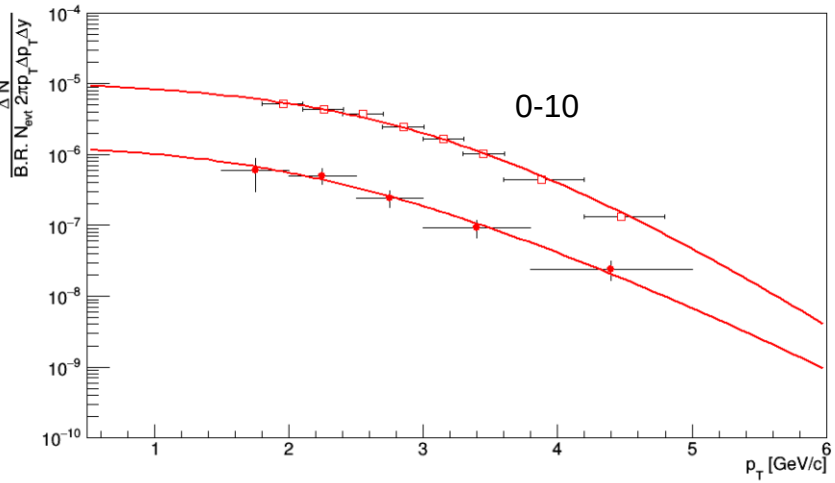
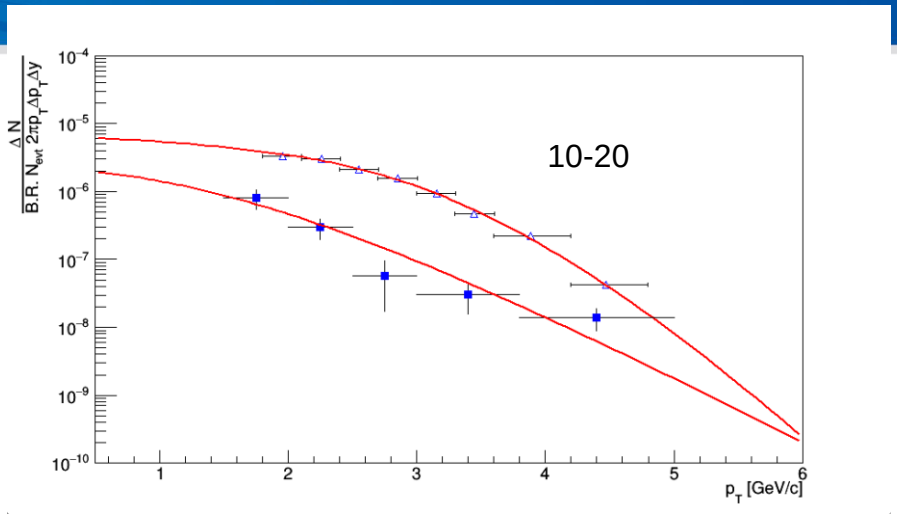
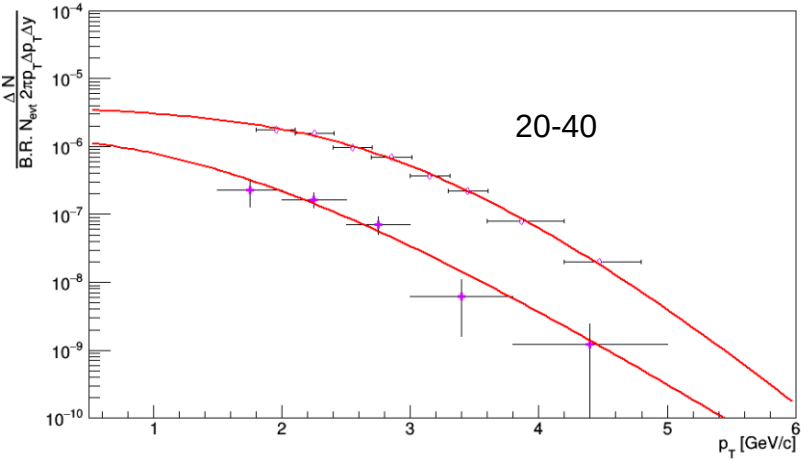


Figure 14: This figure shows ${}^3_\Lambda\text{H}$, ${}^3_{\overline{\Lambda}}\overline{\text{H}}$, ${}^3\text{He}$ and ${}^3\overline{\text{He}}$'s p_T spectra. Add all the data set, all centrality of minimum bias and do not been normalized by N_{events}, because of different system size of different data set.

Yield

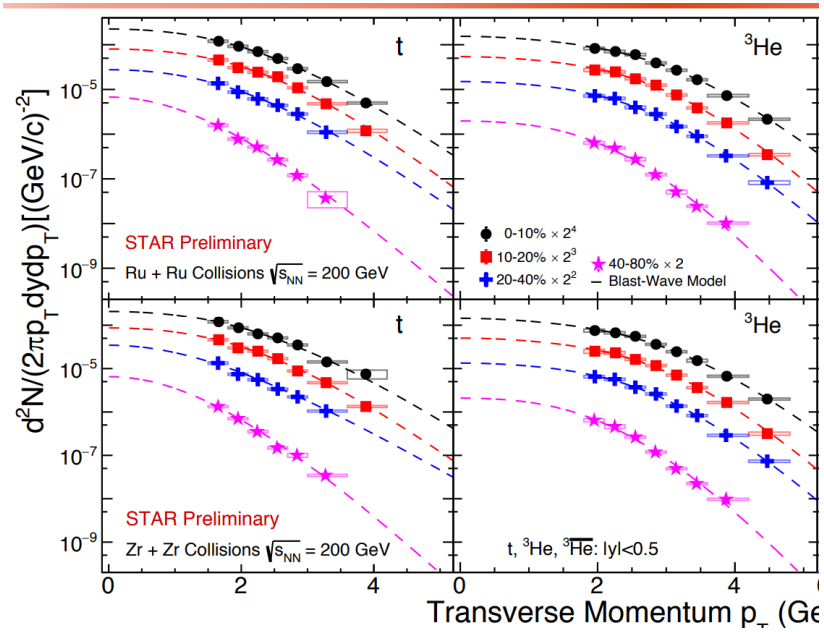




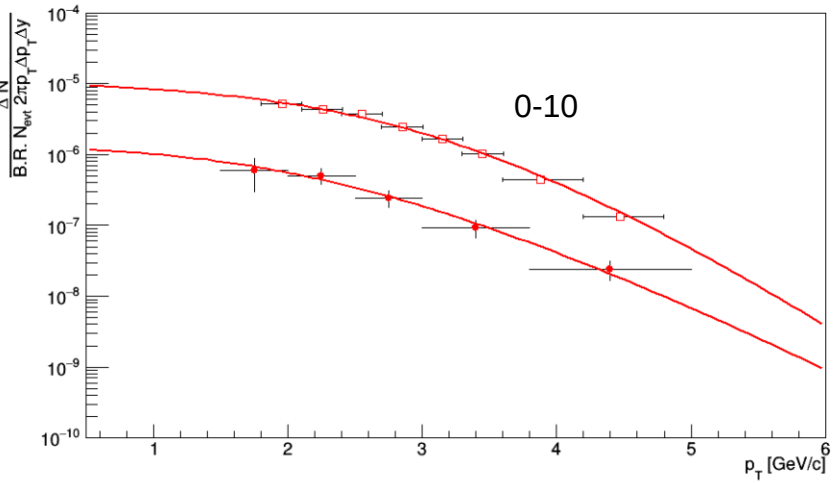


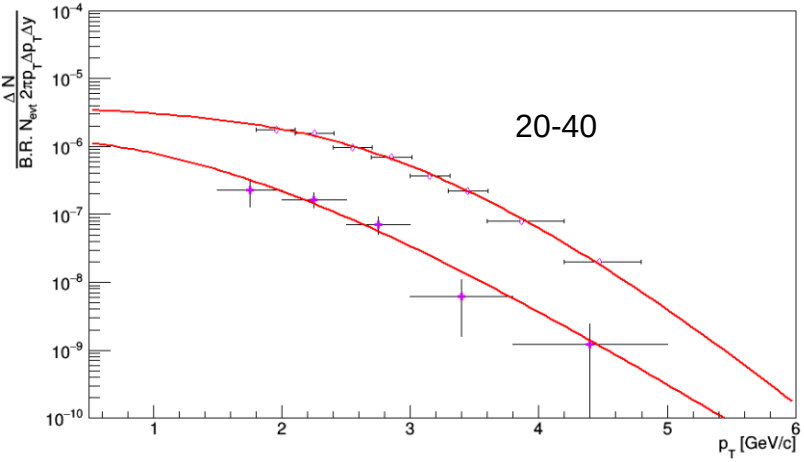
Directly fitted by TGraph::Fit(), with a mass-fixed blast-wave function.

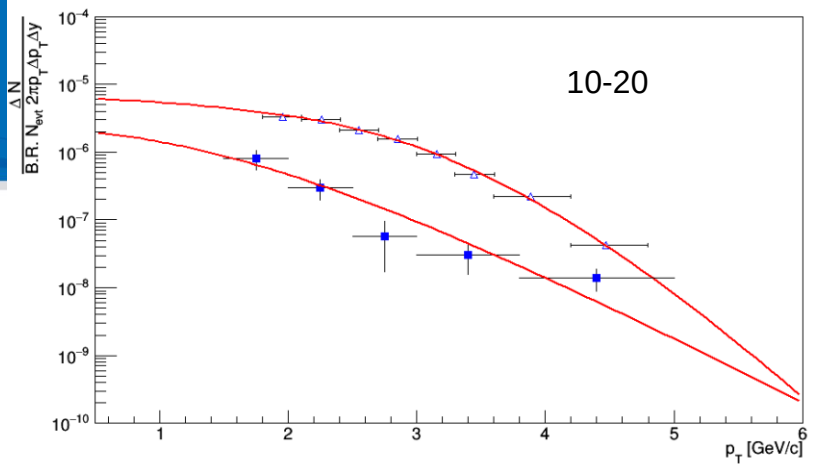
The ratio h3l/he3 ~ 0.1
i) make bw func a dN/dptdy form
ii) h3l_bw->Integral(1.5,5)/he3_bw->Integral(1.5,5)

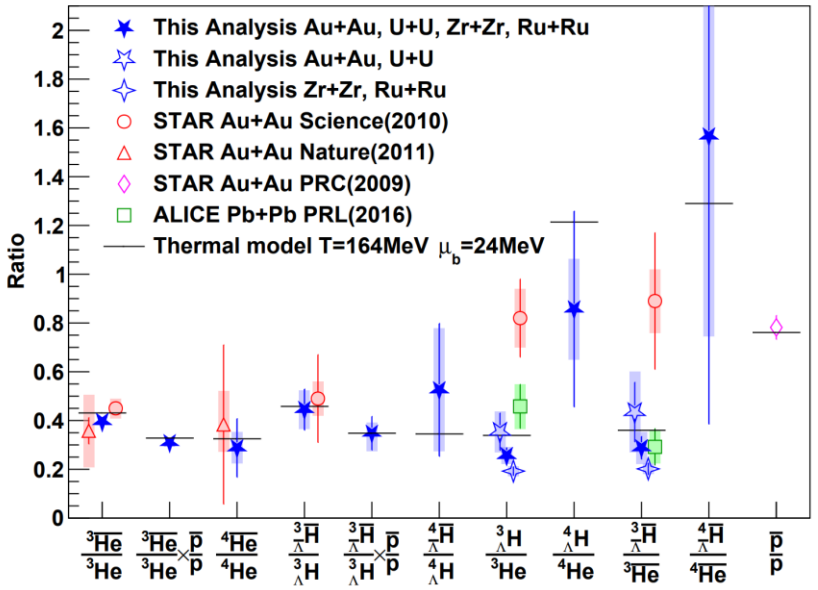


Yield









cent	H3l T	He3 T	H3l/He3
0-10	0.196	0.083	0.095
10-20	0.333	0.073	0.109
20-40	0.328	0.099	0.098

Directly fitted by TGraph::Fit(), with a mass-fixed blast-wave function.

The ratio h3l/he3 ~ 0.1
i) make bw func a dN/dptdy form
ii) h3l_bw->Integral(1.5,5)/he3_bw->Integral(1.5,5)