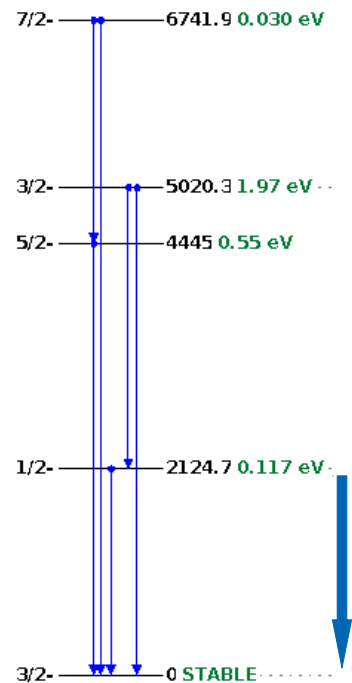




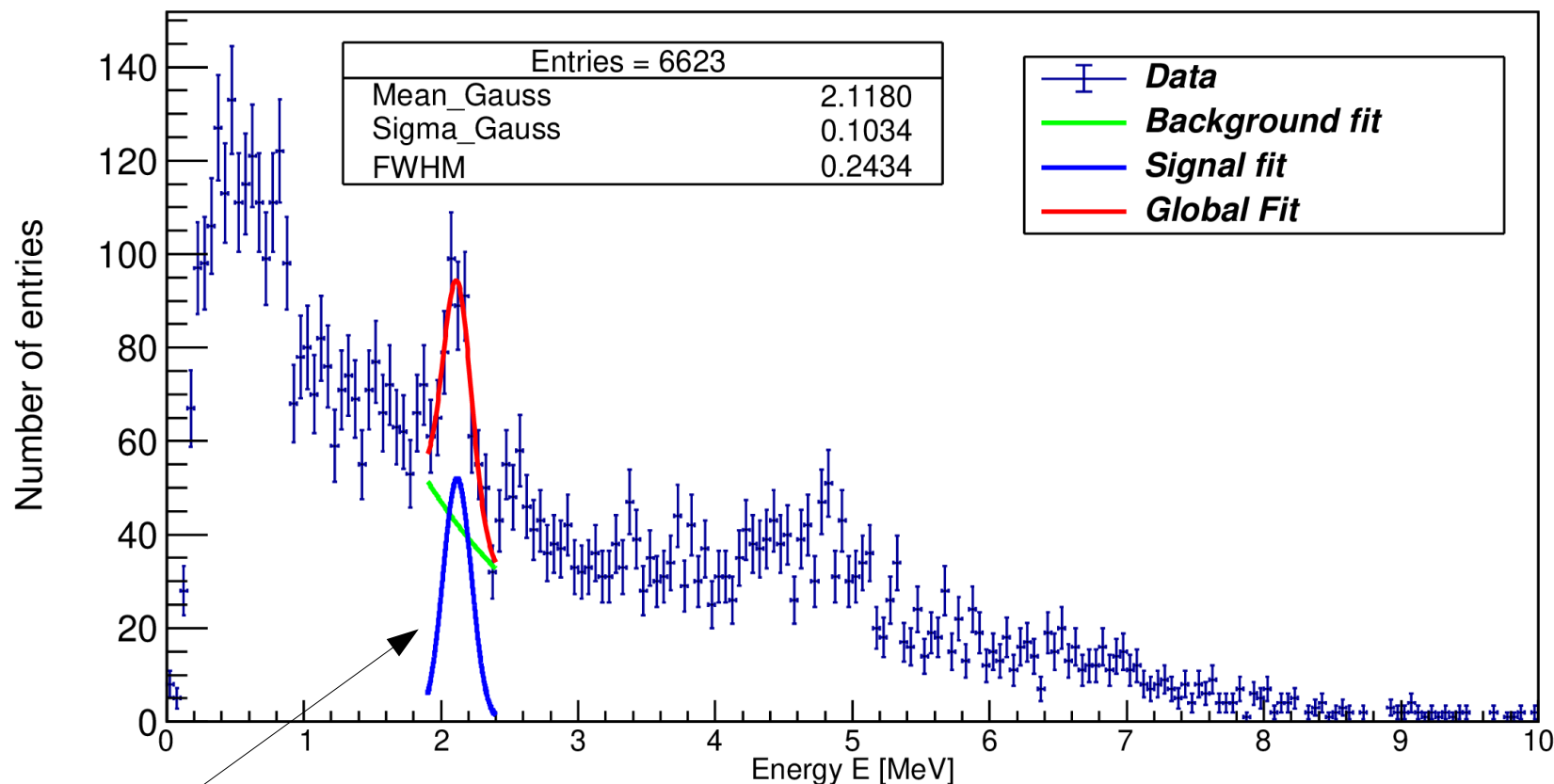
# $^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ Analysis:

- Beam energy: 400 A MeV
- Beamtype:  $^{12}\text{C}$
- Beam Time: 3 hours
- Target: CH2 (12.29mm)
- Tracking Detectors: MWPC 1,2,3
- ToF measurement: START to ToFW
- Charge measurement: TWIM Music
- Event selection criteria CALIFA:
  - two hits with  $E_{\text{hit}} > 30$  MeV

## $^{11}\text{B}$ level scheme:



## CALIFA Gamma Energy Spectrum



2.1 MeV ( $\frac{1}{2}^-$ ) p-hole state of  $^{11}\text{B}$