

Short Documentation of SRC analysis

1. Juni 2021

0.1 Setup

Beam energy: 400 AMeV

Beamtype: ^{12}C

Target: CH₂

Beam Time: 3 hours

Tracking detectors: MWPC 1,2,3 (just x position)

ToF measurement: START to ToFW

Charge Measurement: TWIM Music

Event selection criteria for CALIFA: two hits with $E_{\text{hit}} > 30$ MeV (laboratory system) and ^{10}B (^{11}B) as daughter particle (exclusive events).

No other cuts (for now).

0.2 $^{12}\text{C}(\text{p},2\text{p})^{11}\text{B}$ analysis

0.3 $^{12}\text{C}(\text{p},2\text{p})^{10}\text{B}$