

EXP1904: Reference reaction - Analyzing #413

Analyzing # 436 (Открыта): Reference reaction: Data analysis

Analyzing # 459 (Открыта): Beam of ^{10}Be

Beam integral

01/13/2020 02:01 PM - Vratislav Chudoba

Status:	Открыта	Start date:	01/13/2020
Priority:	Нормальный	Due date:	
Assignee:	Ivan Muzalevsky	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Provide integral of the ^{10}Be beam meeting following conditions:

- dE-ToF cut (provide the form of the cut or link);
- beam particle fired all four planes of the MWPC's having all cluster multiplicities less than 1;
- a reasonable region at the target plane (provide the form of the cut or link);

Scale coefficient for beam trigger according to [logbook](#) (page 1, right side) was 16x256.

Treat data taken with thin and thick targets separately and report the result in comment.

History

#1 - 04/23/2020 01:02 AM - Vratislav Chudoba

- Description updated

- Parent task changed from #393 to #459

#2 - 04/23/2020 01:07 AM - Vratislav Chudoba

- Project changed from EXP1904 to EXP1904: Reference reaction

#3 - 05/01/2020 12:51 PM - Ivan Muzalevsky

The beam PID was done with cuts, provided in [issue 394](#)

The used target selection is described in [issue 396](#)

Thick target

4129415 beam triggers

10407295 other triggers (2,3,4,5)

which corresponds to $16.923.562.580$ ^{10}Be particles

Thin target

668327 beam triggers

1253504 other triggers (2,3,4,5)

which corresponds to $2.537.173.120$ ^{10}Be particles

#4 - 05/01/2020 12:51 PM - Ivan Muzalevsky

- % Done changed from 0 to 50

#5 - 05/01/2020 09:06 PM - Vratislav Chudoba

- % Done changed from 50 to 100