

EXP1904: Reference reaction - Analyzing #420

Analyzing # 397 (Открыта): Variation of the parameters

Effect of rime growing on target surface

01/20/2020 11:28 PM - Vratislav Chudoba

Status:	Открыта	Start date:	01/20/2020
Priority:	Нормальный	Due date:	
Assignee:	Ivan Muzalevsky	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
To check the influence of rime formed at the target foils to the reconstructed kinetic energy of ^3He , check the beginning and the end of the measurement performed with a ^{10}Be beam and thick target.			
1. Provide all parameters which were changed in comparison to parent task 397. 2. Provide two histograms of the missing mass of ^9Li from all telescopes together with mean value of the peak corresponding to the population of the ground state:			
• take a few days from the end of exposition on the thick target (27th June 2019) with reasonable statistics; • take the same time from the beginning of exposition (15th June 2019).			

History

#1 - 05/01/2020 11:40 PM - Ivan Muzalevsky

For the data analysis the parameters from the [issue 458](#) were used.

All statistics was separated into 3 parts, corresponded to the beginning of the experiment, middle part and the end of the beamtime

The following figures represent the ^9Li g.s. MM obtained from these data parts. Figures are presented chronological order (from left to right).
The ^9Li g.s. positions are:

0.056 MeV, -0.043 MeV and 0.003 MeV

mm_iced.png

#2 - 05/02/2020 01:48 AM - Vratislav Chudoba

- % Done changed from 0 to 100