

EXP1904: Reference reaction - Analyzing #400

Analyzing # 397 (Открыта): Variation of the parameters

Z-position of the side telescopes

11/15/2019 05:12 PM - Vratislav Chudoba

Status:	Открыта	Start date:	11/15/2019
Priority:	Нормальный	Due date:	
Assignee:	Ivan Muzalevsky	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Vary Z-position of the side telescopes within a reasonable range and report the effect on position of the peak corresponding to population of the ${}^9\text{Li}$ g.s..

Distance between thin and thick SSD's should be kept. It is reasonable to suppose that Z-position of the detector assembly differed from the reported values in the range of a few millimeters.

History

#1 - 11/19/2019 10:59 AM - Ivan Muzalevsky

- % Done changed from 0 to 50

#2 - 01/18/2020 09:40 AM - Ivan Muzalevsky

- % Done changed from 50 to 100

#3 - 04/21/2020 07:53 PM - Ivan Muzalevsky

thin telescopes Z position, mm	${}^9\text{Li}$ g.s. position 1 Tel [MeV]	${}^9\text{Li}$ g.s. position 2 Tel [MeV]	${}^9\text{Li}$ g.s. position 3 Tel [MeV]	${}^9\text{Li}$ g.s. position 4 Tel [MeV]	${}^9\text{Li}$ g.s. position average [MeV]
175	-0.055	0.422	0.144	0.209	0.168
173	-0.118	0.359	0.085	0.149	0.107
171	-0.184	0.291	0.021	0.087	0.042
169	-0.252	0.222	-0.044	0.025	-0.024