

EXP_6Be - Developing #433

Developing # 430 (Открыта): Simulations

ER simulation macro

01/30/2020 05:19 PM - Vratislav Chudoba

Status:	Открыта	Start date:	01/30/2020
Priority:	Нормальный	Due date:	
Assignee:	Konstantin Limarev	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description Basing on the example of already working simulation of EXP1904 prepare macro for simulation of this experiment. We will consider binary reaction ${}^6\text{Li} + p \rightarrow {}^6\text{Be} + n$ with immediate decay of ${}^6\text{Be} \rightarrow {}^4\text{He} + p + p$. Simulation macro sim_digi.C for EXP1904 may be found in expertroot/macro/EXP1904_H7/sim branch 406_exp1904_h7_sim The geometrical setup should be constructed according to the last paper on ${}^6\text{Be}$. For the beginning: • there is no beam detector; • the setup consists of two identical telescopes; • the diameter of the beam may be taken as 1 mm; • the direction of the beam coincidence with the Z-axis in the laboratory system;			