

EXP2003: Express analysis - Analyzing #455

Estimation of the beam integral

04/01/2020 02:35 AM - Vratislav Chudoba

Status:	Открыта	Start date:	04/01/2020
Priority:	Нормальный	Due date:	
Assignee:	Ivan Muzalevsky	% Done:	70%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
Estimate the ^8He beam integral for a particular beamtime period.			
Try to estimate the ^8He beam integral under a reasonable selection of beam cross-section in the target plane for			
• run_1 to run_39; • run_40 to current run which should be reported;			
Report the details on beam selection including ToF, MWPC, and target plane geometry ones.			

History

#1 - 04/02/2020 10:54 AM - Ivan Muzalevsky

- % Done changed from 0 to 70

For the beam integral calculation following selections were used:

- 8He selection by dE-ToF
- center of the target hit (10 mm radius)
- trigger==1 (beamtrigger)

run_1-run_39: **43.451.736.064** particles, in 9 days 18 hours 14 minutes (**51530 pps**)

run_40-run_57: **23.765.151.744** particles , in 4 days 17 hours 28 minutes (**58180 pps**)