

From: rondon@jlab.org  
Subject: Elastic calibrations with field OFF  
Date: Wed, October 29, 2008 7:06 pm  
To: hornt@jlab.org  
Cc: jones@jlab.org, ccbutu@jlab.org, huberg@regina.ca

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Hi Tanja,

I have updated the run plan (pdf table format, please print and put in binder [http://hallcweb.jlab.org/experiments/sane/general/run\\_plans/elastic/elcal\\_new4-gh-2.p](http://hallcweb.jlab.org/experiments/sane/general/run_plans/elastic/elcal_new4-gh-2.p) to reflect the changed conditions:

- no 46.5 degrees HMS setting
- 43.1 degrees setting instead of 43.75 degrees. HMS  $p_0 = 1.360$  GeV/c. If 43.1 is not accessible, try 42.6, with HMS  $p_0 = 1.380$ .
- CH2 target (polyethylene beads) instead of NH3: rates will be lower by  $\sim 1/3$ .

The shift crew tasks are:

- warn Cherenkov, Tracker and Lucite experts to turn their HV OFF, 200 nA to 1 muA beam is coming
- use 2 cm Slow Raster diameter and 1x1 mm Fast raster;
- ask for 200 nA to establish that the CH2 target is correctly vertically centered in the beam, and the beam is correctly horizontally centered on the target
- try first 500 nA to see if BigCal- HMS coincidence rates look OK, then ask for 1 muA.
- follow the steps on the run plan table AND on the spreadsheet.

IMPORTANT: It is assumed that activities # 200, 201 and 202 have been COMPLETED already. If not, complete them first. If yes, the first step is 203: ask for 1 muA.

To use the spreadsheet:

- log on as cdaq to cdqall and cd to ~/sane08/run\_plans/
- start OpenOffice on cdaq11 by typing:  
soffice elcal\_new4-gh-2.ods &
- read the instructions on the first page and use ctrl-page down or the mouse to go to the Tasks page.
- enter the actual duration of each activity (format HH:MM) and enter 100 in the appropriate column.
- record the run numbers and activity descriptions on the paper run sheets in their binder.

- the spreadsheet is set to be autosaved every 15 min. Answer "Yes" to any prompt about saving. It is OK to save at random intervals, too.

A copy of the (blank) spreadsheet is also on the wiki,

Cornel is familiar with the elastics plan, too.

Please print this message and give it to the shift crew.

Thank you and cheers,

Oscar

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