

Minutes of the TITAN Meeting

Held on the 4th of December 2008

Present: Florian Apfelbeck, Maxime Brodeur, Paul Delheij, Jens Dilling, Stephan Ettenauer, Melvin Good, and Alain Lapierre

MPET:

By scanning through the Lorentz sheerer a rough estimation for the beam size (about 1 mm in diameter) and the beam position was determined. This will be used to scan through different initial radii and investigate the frequency shift (which should be parabolic).

LN2 filling of the trap: Max will sent out an e-mail who will do the LN2 filling of the trap until and after Christmas.

EBIT:

The EBIT is warming up. During next week it will be vented and several things will be installed (e.g. emittance meter).

Injection & Ejection of Li-6:

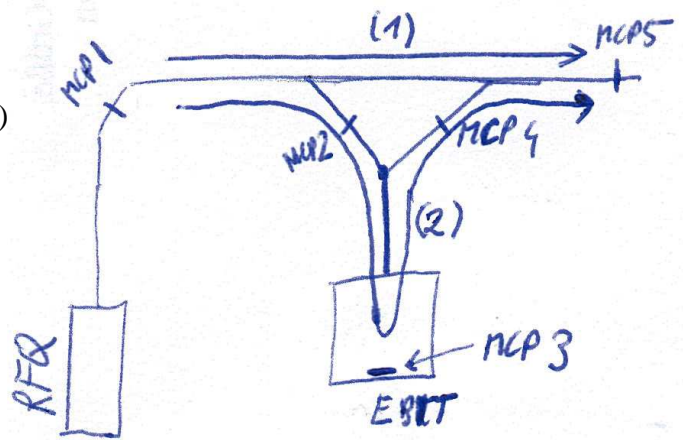
transfer efficiencies

$(2)/(1) \approx 1 \%$

$MCP3/MCP2 \approx 100\%$ (ions trapped for 1.5ms)

$MCP4/MCP3 \approx 2\%$

$MCP5/MCP4 \approx 40\%$



gamma background

Current plots of the gamma spectra of the big Ge detector suggest that there is a difference between spectra taken close to the EBIT and others. However, the error peak area might not be accurate due to problems of the fit.

Furthermore, in background spectra of the LEGe detector there are also some lines associated with the U-238 decay chain (eg. 45 keV, 63 keV as well as a few x-rays). This runs were taken right after the beamtime, so it would be good to confirm this with current background.