

Minutes of the TITAN Meeting

Held on the 24th of September, 2009

Present: Maxime Brodeur, Thomas Brunner, Paul Delheij, Jens Dilling, Stephan Ettenauer, Aaron Gallant, Melvin Good, Alain Lapierre, Ernesto Mane, Matt Pearson, and Vanessa Simon

Laser spectroscopy beamtime:

- x) reverse extraction with K was done
- x) K-source has been replaced by a (new) enriched Li source. But currently, we see lots of K, but almost no Li. Ryan remembers that it was similar for the last Li source. In case this does not get better, we would need another Li source.
- x) minimal amount of ions needed per bunch: 10^4 - 10^5
- x) Laser for Li is still set up from last β -nmr beamtime
- x) Laser for Rb: transport to beamline is organized, but needs to be installed.
- x) DAQ should be ready shortly.
- x) If we do not get epics control over the beamtime during the next week, we could ask an operator to tune for us such that we can do reverse extraction and sending beam through the Na-cell.
- x) Rb ion source: we will probably take our K-source which should have sufficient amounts of Rb

EBIT & charge breeding:

- x) Alain sets up the EBIT for gas-injection and charge breeding of Ar40. It is planned to perform a mass measurement with Ar40.
- x) If this is working well, we could also make the mass measurement for Ar38. But since we would like to do a Q-value measurement of K38m, it is debated whether this should be done closer to a K-beamtime.
- x) Alain sent manual for EBIT to several people.

MPET

If we won't do Ar38 and the Rb mass-beamtime, it would be a good timeslot now to do various improvements on the MPET (baking of the vacuum tube, hardware upgrade, ion pump,...)