VC KVI-GSI-TUD technical meeting 25-04-2012

O. Kiselev, M. von Schmidt, M. Mutterer, B. Streicher, C. Rigollet, K. Yue, P. Schakel (excused), A. Kluttig, J.C. Zamora, H. Timersma, S. Bagchi, M. Lindemulder, P. Egelhof, Th. Kroell

1. Test beam time (experiment E000) from the 16th of May is going ahead.

2. Thermal tests staring 7th of May. The cooling flange may need to be changed because of the stress on the flexible tubes which are fixed on two CF40 flanges. We may need to use rotatable ones. However, for the thermal tests we will use what is at our disposal and envisage changes for the experiment. The cabling of the thermosensors is ready, as is the software.

3. Harry reports on the baking of the EXL chamber. There is a small leak on one of the CF300 flanges, the ring should be changed during the heat tests preparation.

4. The moving mechanisms for the slit have been ordered (delivery time, 6-8 weeks). An interface software should be written in LabView (KVI).

5. We decided on two slits (on one plate) with widths of 1 and 2mm, respectively. The slits should be at least 15mm apart. Michel will produce drawings (top view) of slit 1 in, slit 2 in and both out to see which detector is shielded or not. Depending on tantalum’s properties (such as outgassing), it could be used to make the slit.

6. Alpha-source bakeability : the company has no experience. One option is to calibrate the detectors in the dog house, or use M. Heil system. Peter E. will ask.

7. Second pocket: rates should be estimated for different energies.

8. Shielding from  elastic scattering on residual gas.

9. Electronics from the Spanish group will be available in May.

Next VC: 23rd May at 13:00