VC KVI-GSI-TUD technical meeting 25-01-2012

O. Kiselev, M. von Schmidt, P. Egelhof, M. Mutterer, B. Streicher, M. Lindemulder, C. Rigollet, Th. Kroell, K. Yue, P. Schakel, N. Kalantar, H. Timersma

1. Moving mechanisms:
* The software bug was identified and fixed.
* The software still needs to be adapted for the arm (and pocket) position/distance.
* The depth of the in-ring chamber will be measured in week 5.
* Harry will go to GSI in week 5.
1. Readout electronics
* At present using the ASICs in vacuum cannot be trusted; therefore we need additional feedthroughs (4x50 pins) on the flange to instrument the detectors from outside.
* Michel will look at the space requirements and price for this solution.
* KVI should design an ASIC ‘box’ sitting outside the vacuum 🡪 still to be discussed.
* HV connectors to be changed to floating ground
1. Slit
* The design should be started with a width of 1 to 2 mm and a thickness of 2 mm.
* Mirko/TUD will expand on the initial calculations. Rate estimates are needed and/or realistic simulations.
* Some questions arose regarding the shape of the slit: tapered or straight; the location of the slit on a 90° small flange or on a top flange and the possibility of varying the slit width.
* The slit should be remote controlled for in and out movement, the other dimensions should be done by hand.
* Michel will look into this.
1. Forward pocket in EXL chamber: a second head should be manufactured, Annelie will check whether it is possible before summer, otherwise this has to be done at GSI.
2. What type of damage do we expect from heating the outer surface of the pocket?
3. The next VC is planned on the 15th of February at 11:00.