VC KVI-GSI-TUD technical meeting 15-02-2012

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Topics for preparation of EXL experiments:

1. The official beam time request has been made by Peter E.
2. We need to invite members of the target group, FRS group (Helmut Weick) and Haik Simon (for coupling of various detectors in one data acquisition system) to participate in our EXL technical meeting on the 2nd of March (NuSTAR meeting).

The droplet target is not usable at present, it needs 6h/day of maintenance.

A new nozzle has been installed at the gas jet target, giving ~1013 for H and 1012 for He.

1. --
2. Peter E. in charge of making sure there is enough space to mount the EXL chamber on the ring.
3. The detector room has been reserved.
4. Workpackage by Brano is on the EXL wiki site.
5. Workpackage by Mirko🡪should be uploaded on the EXL wiki site.
6. For tests and calibration, it would be useful to have an -source in the chamber. The source should be able to survive the baking if it is staying in the chamber during the whole experiment, or we need to be able to insert and retract it. Mirko is in contact with the source producer. Catherine has asked the radiation safety officer of the KVI, who strongly supports the idea of a retractable source.
7. Nasser has contacted the Debrecen group about the neutron detectors. They are interested in participating in the experiment and will join the NuSTAR meeting for further discussions.
8. There are several options available to us. Michel and Catherine will look at the design. Manfred has found a supplier of nanopositioners (KVI will ask for a quote) and Mirko has made a workplan.
9. Workpackage should be made.
10. --
11. A list of item in production or still to be produced will be made with the appropriate deadlines.
12. Brano has drafted a workpackage. The plastic tubing is not favored anymore. KVI is looking at flexible Cu piping.
13. Manfred should draft a workpackage. Peter S. and Michel will join the EXL technical meeting to discuss the various options (ASICs in or out of the vacuum, electrical and cooling feedthroughs, …).
14. Solution should come from internal discussions at GSI.
15. LM should be finished. Harry is at GSI.

30. Catherine to contact G. Colo (Milano) for GDR cross sections.

This list (available in full on the EXL wiki site) should serve as the basis of the agenda for the EXL technical meeting.

In week 20 (from 14 to 18 May 2012), M. Steck has a ESR test experiment. It would be possible to use the beam during the night for our own tests.

The next meeting is on the 2nd of March at 14:00 during the NuSTAR meeting.