

TRD testbeam 2007

summary of 1st assessment meeting - Heidelberg, 02.08.2007

A. Andronic – Status meeting, IKF, 10.08.2007

Context:

testbeam at KEK? (proposal by Shinlchi)

...not with SM or stack (momenta up to 3.4 GeV/c only, quasi-pure e beam)

...but KEK beam useful for some specific studies (X/X_0 mapping)

...**most profitable at CERN** (PS, T10, up to 7-8 GeV/c, e/π) ...**30.10-12.11 2007**

- can we have the hardware?
- do we have enough manpower?

YES (in principle ...provided all works as planned now)

[Present TRD installation slot: 11.10-12.11]

Hardware (and software)

- **Supermodule:** nr.4! (Tom: could be ready in time)
...or stack-only (supermodule)? ...deemed not a viable solution
Rotator: definitely needed (no installation activity in parallel)
- **Gas system:** the one of previous measurements (*needs to be transported from GSI to CERN asap*)
Chilo estimates he needs about 2 weeks of preparations
we will not be able to recuperate the Xe ($1.5-2 \text{ m}^3$) after the run
- **Cooling:** plant used for the TPC commissioning
- **HV, LV and controls:** available from surface tests at CERN
- **Beam definition and triggering detectors:** available from previous tests
- **Readout and DAQ:** GTU setup in KIP, TTC setup in PI, VME for beam disks for storage ($\sim 0.5 \text{ TB}$) need to be ordered.
- **Monitoring and analysis:** to be developed

Manpower

Pledged resources (for 3-4 weeks)

- Tsukuba: 2 (+2?)
- Tokyo: 4
- GSI: 4
- Frankfurt: 1
- Dubna: 2? (+1?) (assumed number, needs confirmation)
- Bucharest: 2
- Muenster: 3 (+1? ...+Norbert and Wolfgang for installation)
- Heidelberg: $\simeq 7$ (PI)
 - + we need a TRAP [Venelin] and a trigger/LTU expert as well