



Status of barrel acceptance tests at CERN

- **Summary of meeting held after last TRT meeting in February**
- **Updated plans**



List of tests and schedule

- Initial inspection and database work
- Dimensional checks
- Stringing and tension tests
- Leak tests
- HV preparation
- HV gain measurements

Timescale:

- Gas lines done in May
- Goal: have CERN stations ready by September
- First module to arrive in Oct 02 ???
- ~~XX~~ Modules by Dec 02
- All modules at CERN by end of 2003???



Needed equipment per test

Initial inspection and database work

- Computer with DAQ port (John)
- Database (John and Fido)

Dimensional checks (Eddie and Jack)

Bar code scanner (from IU?)

Invar bar - length (Eddie)

HV plate template (Jack)

Scale to weigh module (Pauline)

Link to database (John, Fido)

Computer with DAQ port (John)



Needed equipment (cont.)

Stringing and tension tests

- 16-channel tester from Duke (Bill)
- Taper pin removal tool (Bill)
- PC and DAQ interface;
- Labview software (Fred, Chiho)

Leak test

- Leak Tester (@IU) (Dave)
- Leak detector (Pauline)
- Environment monitor (T,P) (Chiho)



Needed equipment (cont.)

HV preparation

- Power supply and multimeter (at CERN)
- Monitoring system: ADC card
- Cables, connectors and distribution box
(those used in Dubna?)
- Diagnostic box (Dave)



Needed equipment (cont.)

Module Gain Mapper (Ken, Vassilis)

- O₂ and CO₂ monitor (staff safety)
- Shielded box for X-ray system
- X-Ray fluorescence tube
- ⁵⁵Fe @ 100 μCurie
- ¹⁰⁹Cd @ 100 μCurie
- DAQ system and software



People

Physicists:

- Pauline (IU – full-time)
- Doug (Duke – part-time)
- Vassilis and Ken starting mid-2003 if \$\$\$ possible

- Duke: may send more people depending on \$\$\$

mid 2003:

Technicians:

- 1 IU**
- 1 Hampton**
- 1 Duke**

Students:

- **Summer 2003**
- **Grad students**



Summary and comments

- We pretty much know what we need at this point (exists or need duplication)
- We even know who has to do it
- We just don't know when they'll be able to do it.