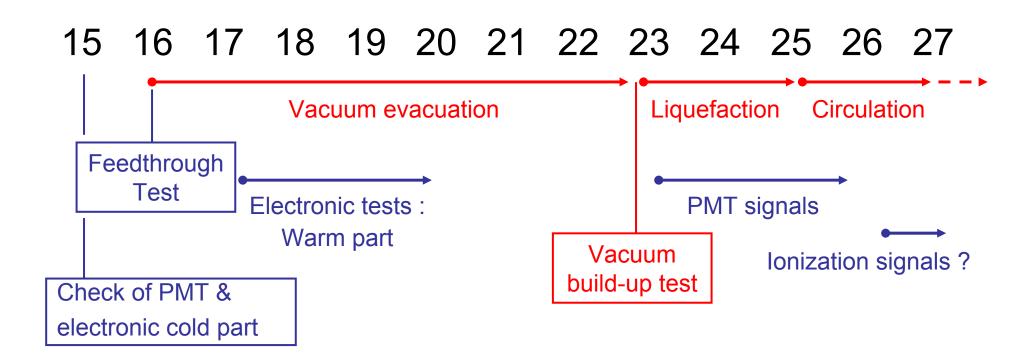




Planning of visit





The cryogenic system



Using of a smaller PTR: 24 W at 165 K
Just cooled by air.



Storage of gaseous xenon in a 0.75 m ³ tank at 1 bars.

This tank is in permanent communication with the purification circuit.

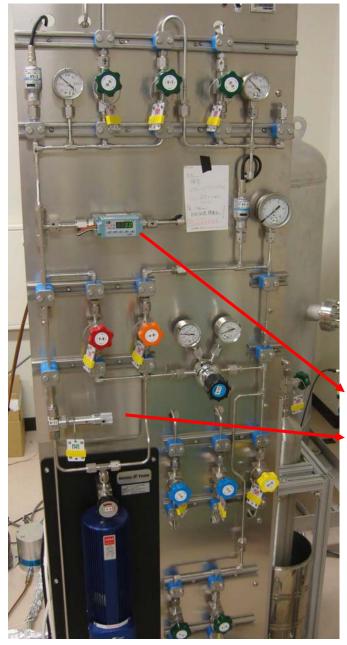


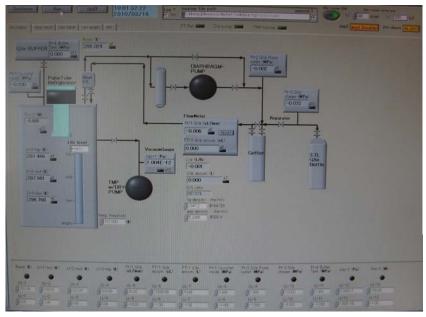
Using of a heat exchanger





The cryogenic system





Slow control used only for monitoring

Flow meter used for measuring the flow

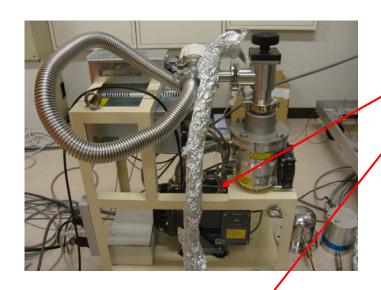
The flow drived by this valve

Cryogenics operation:

- No precooling needed
- Liquefaction rate: 0.16 l.h-1 of LXe



Vacuum evacuation



Three pumps are used:

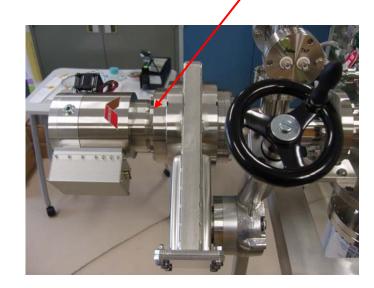
- A primary pump
- A turbomolecular pump
- A getter pump (CapaciTorr-D400-2)

Time of pumping: 6 days

Result of the vacuum build-up test: 6.10-3 Pa after one hour of stopping pumping



Very good cleaning of the circuit





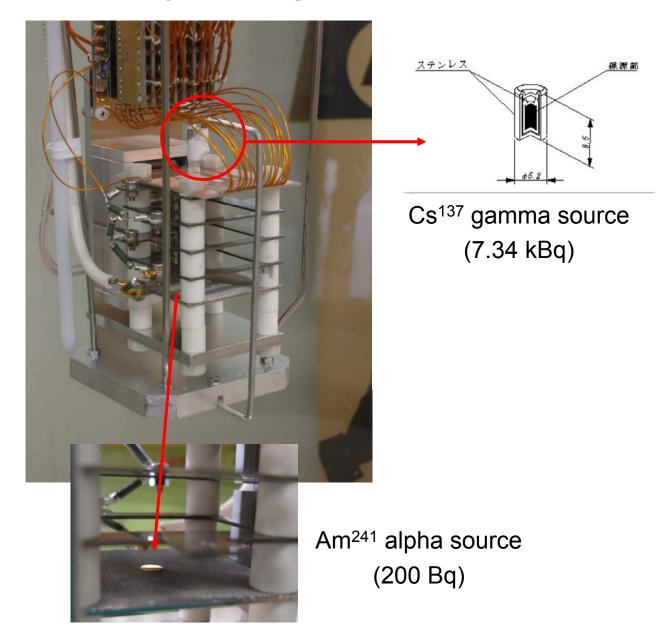


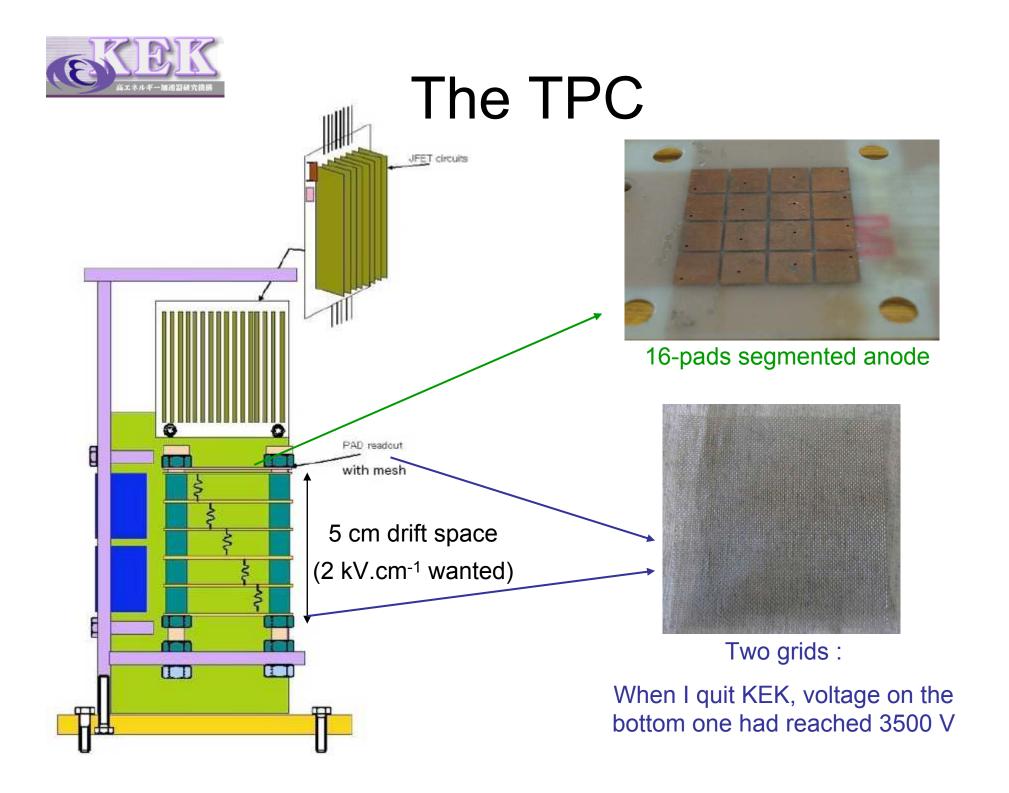
The TPC



2 PMT:

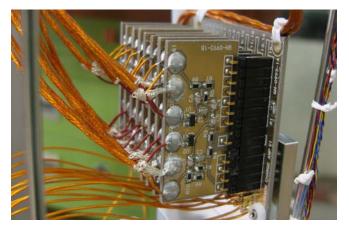
- RS900-06AL12S-ASSY
- R7600-06MODASSY





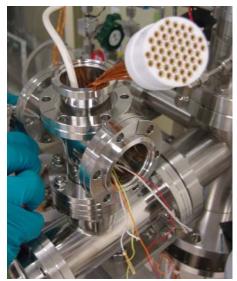


Electronic readout



Daughter cards in the gaseous xenon

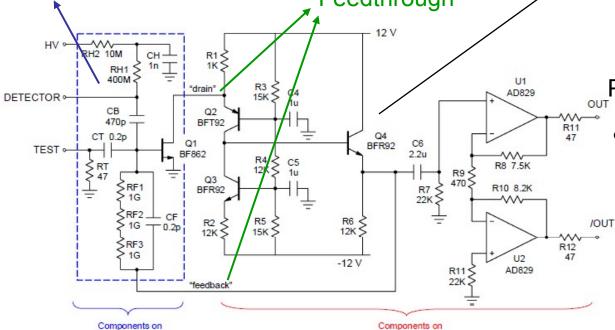
the "cold" board



Feedthrough

Components on

the "warm board



Pre-amplifier warm part

0000

EED BACK

& amplifier NIM N568B



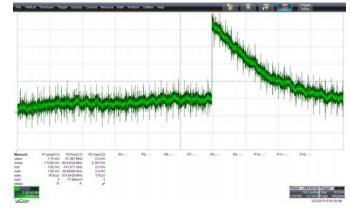
Check-out of electronics

The following check-out have been done:

- The two PMTs: replacement of an old one by a new R7200 one
- Feedthroughs : OK

- Daughter cards : all are working. The decreasing constant appears

near from 80 μs (250 μs expected).



- Warm part of the pre-amplifier: several mistakes have been done by the constructor company, have to be improved.

