Status report

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Dark rate

We compared dark rate of 3-inch PMTs in TUS.

	Positive HV	Negative HV
HA coated PMT	180 Hz	183 Hz
Non-HA coated PMT 1	295 Hz	232 Hz
Non-HA coated PMT 2		1870 Hz

This dark rate is very high.

Non-HA coated PMT 2 is considered to be out of order.

Future plan

- We will create some magnetic fields with a coil
 We will measure B-field in the dark box with a Gauss meter.
- We will measure PMT's efficiency in B-field.
- We will rotate the PMT on its axis.
 We will check the angle dependence of the efficiency.





