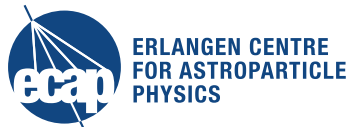


ECAP: DOM integration status

Oleg Kalekin
KM3NeT DOM integration
Videoconference
09.12.2020

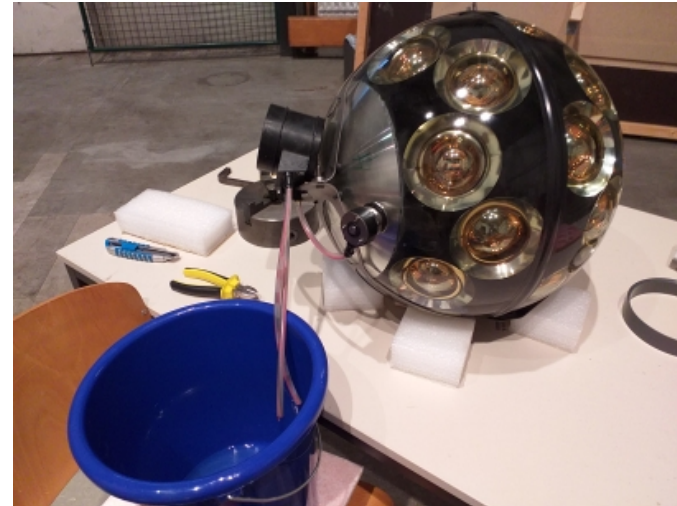
ecap



Old ORCA DU1 DOMs refurbishment

Refurbishment actions:

- Cut DOMs from VEOC
- Open and remove BoBs
- Update CLB firmware
- Exchange PMT base HV fences (caps)





Old ORCA DU1 DOMs refurbishment

Status:

- All DOMs refurbished
- 16 DOMs closed
- 2 DOMs waiting for missing screw/O-rings for vacuum valves
- 12 DOMs – acceptance tests done
- 4 closed DOMs – acceptance tests will be done today/tomorrow

Old ORCA DU1 DOMs refurbishment

Found problems:

- All DOMs with AHRS firmware version 0.0
- 1 DOM had broken connector at the large octopus board. The board is exchanged
- 1 DOM with 6 channels with mixed up PMT SNs in the database
- 1 DOM - 3 PMTs plugged in wrong connectors, re-plugged
- 1 DOM with 1 channel with wrong PMT SN
- 2 DOMs with Promis ID flipping bit in 1 channel
- 1 DOM with collar made of steel, exchanged
- 2 DOMs with missing screw and screw/O-ring in vacuum valves
- 1 DOM with small damages on glass hemispheres
- 1 DOM with abrupted PMT cable
- Most pressure gauges show 0

NCRs have been opened for each problem
except pressure gauges

