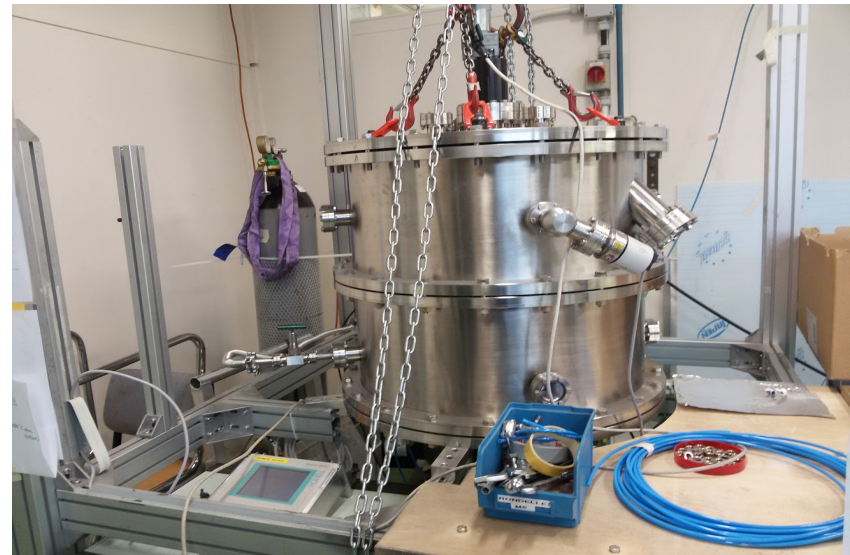


PMT Coating at CERN

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Light Det. Syst. meeting 29/05/2017

- Coating of WA105 PMTs + TPB thickness measurements
 - 40 PMTs. At CERN in September.
 - Coating to be done by end of October.
 - To be done asap: TPB thickness measurements
- CERN facility can be used (Wil Vollenberg)
 - Used for WA104 (400) PMTs coating
 - Available: Evaporator, PMT mockup, rotating support, ...
 - Safe pace: 2 PMTs/day
 - Evaporator ‘allocated’ to WA105 in Sep/Oct



- CERN surface facility will move to a new site Mid June - Mid July.
 - Evaporator will be moved sometime in that period
 - Thickness measurements:
 - Done by evaporating TPB on mylar foil samples attached to a mockup PMT structure.
 - Thickness calculated by foil weighting.
 - Usually done in 1 day.
 - When will be possible:
 - soon after the Evaporator is in the new lab
 - maybe before Mid June (next two weeks):
 - Some time needed to restore the functionality of the setup.
 - Necessary some TPB (leftovers present at CERN should be available).
 - Maura Spanu (INFN) which coordinated the WA104 coating should be at CERN sometime in the next two months. Might be useful to profit from her help to operate the evaporator.
 - A second meeting is foreseen this week with Wil (and Maura) to check which solution is more viable.

