

News from the Cryostat corrosion

Bernhard Schwingenheuer, MPI-K Heidelberg

Situation:

- many corrosion spots on cryostat visible after water tank was drained
- 1st treatment of cryostat by DiZio in March:
grinding + local pickling with Avesta 101 paste + global treatment with Remox
+ passivation with Avesta 630 + rinsing with deionized water from Borexino
- 2nd treatment by ourself of more than 100 spots end of March:
grinding + local pickling with Avesta 101 paste + passivation with Avesta 630
+ rinsing with deionized water (only top head + cylinder),
a final inspection with grinding of additional spots
- corrosion test proposed by TÜV: cover cryostat with wet blankets for 8 hours
result for 2/3 of the cylinder area + neck: found about 30 corrosion spots,
most of them in old spots (previous grinding not deep enough),
1/3 of them new spots

**Proposal: stop treatment and go on with
Jakodur + VM2000 foil installation**



58

PTP