

Status and developments of the dummy septum TPS15 for the CERN PS Multi-Turn Extraction



DANGER RADIATION 
SEJOUR LIMITE
OCCUPANCY TIME LIMITED
Before starting work contact 70488
50 µS/h
d'ambiance 71h

Beam Observation Discussions

Beam Instrumentation

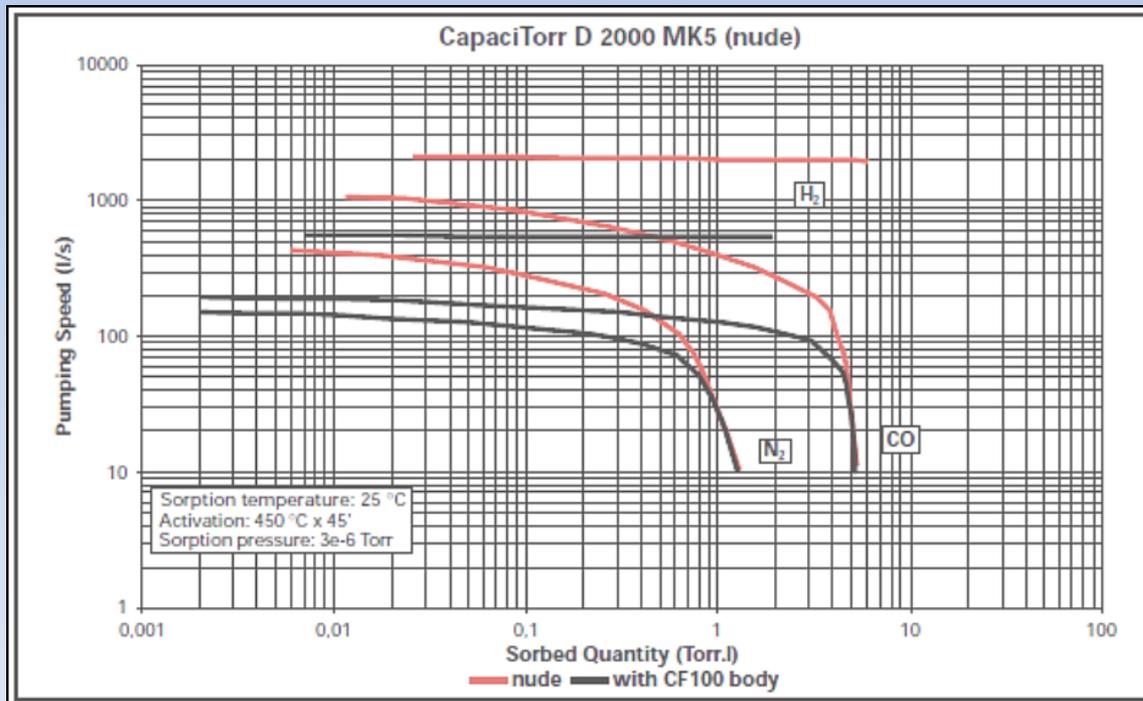
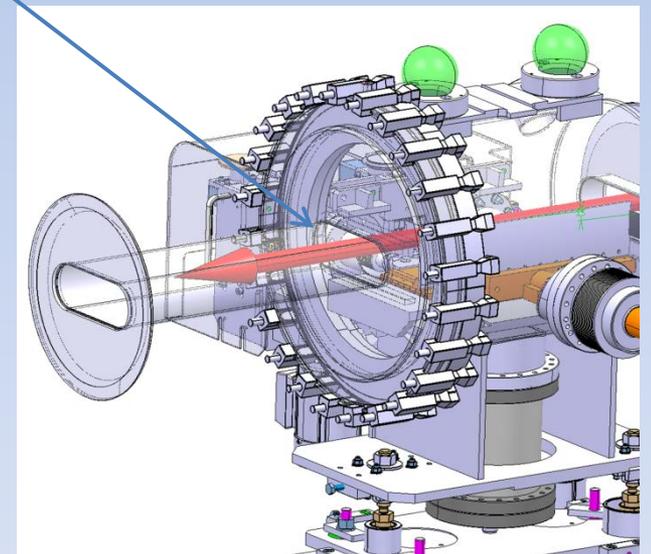
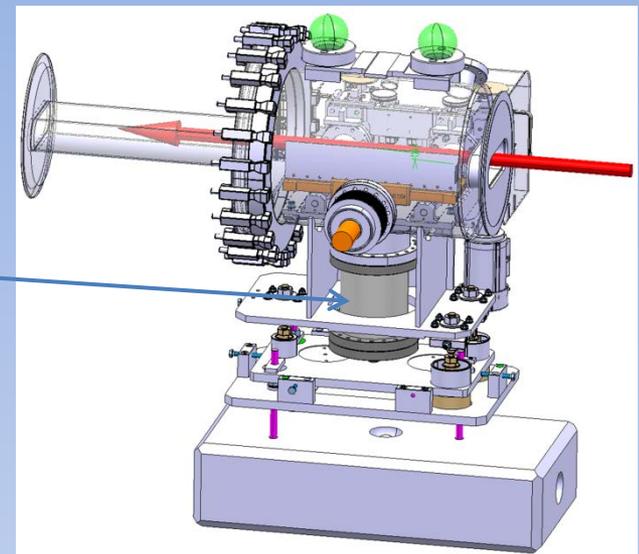
- What type of system is required ?
 - BI are investigating
- Where shall it be positioned
 - In the main vacuum chamber or in the dummy tube downstream of the blade?
- Where is the support
 - On the blade moving table, fixed to the cooling flange (on outside of PS ring..) or independent?

Modifications Vacuum

Pumping Module NEG added to underside of tank

Downstream tube now integrated in the endcover of the tank

Pumping characteristics of the D2000 NEG



Other modifications

Additional flanges for Camera, cable feedthrough have been added at these “provisional locations” but BI will determine optimum positions and size.

Clearance between the upstream flange and vacuum vessel increased to 30mm (Request from TE/VSC)

