

OLAV III

Experience with the LHC Insulation Vacuum System

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The LHC insulation vacuum includes 144 volumes, 168 permanent installed turbomolecular pumps and over 400 pressure gauges on a total volume of approximately 10^4 m³.

Following some issues during startup and commissioning of the permanent installed turbomolecular pumping stations, as discussed in OLAV II, an update on the reliability of these turbomolecular pumps is presented.

With more than one year of LHC insulation vacuum operation experience, the pressure monitoring and helium leak tightness is part of the presentation too.