

Vacuum system of RAON

Wednesday, 17 April 2024 10:50 (25 minutes)

The vacuum requirements of the RAON heavy ion accelerator were determined from the beam optics calculations. The vacuum system was designed to meet vacuum requirements using 3D Molflow+ code with realistic outgassing values of the vacuum chambers, cavities and beam pipes. This paper presents the specification and configuration of the vacuum system including pumps, gate valves, and vacuum gauges of the Super Conducting LINAC 3 (SCL3) and Beam transfer line to low energy experimental facility. In addition, we will discuss the results of 3D Molflow+ calculations in these sections and the achieved vacuum levels after the installation of the vacuum system

Summary

Vacuum system Installation and operation experience of RAON

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Session Classification: Session 4