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## Performance of Contaminated Superconducting Linac After Vacuum Excursion

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#### Abstract

ISAC-II had a vacuum excursion caused by an operational error and the failure of the fast protection system in summer 2022. The beamline downstream to the SC linac was vented with atmosphere air from the experimental hall resulting in pollution of the linac. This poster reports the RF performance of the contaminated linac. The typical cavity performance changes, the average magnitude of degradation, the impact range in the SC linac, the observations in the recovery processes and the analyses on the most distinct cavity are discussed. The cavity refurbishment in the recent winter shutdown with the observations and outcomes is also reported. The ISAC-II event provided a unique data set for the SRF community.







### Linac Performance (Average E<sub>acc</sub>)



