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## DEAP-3600 Resurfacer Underground Deployment and Testing.

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Background reduction is an key aspect of all Dark Matter experiments, including DEAP-3600. With this goal in mind we built the resurfacer, a machine aimed to reduce the amount of radon decay daughters present inside the detector by sanding of 100 microns of acrylic from the inner vessel. In this talk we discuss the deployment of the resurfacer in the DEAP-3600 detector, located 2 km underground at SNOLAB. The principle of the resurfacer and the results of on-site tests will be presented. We will also introduce in details a purge system, used in combination with the resurfacer, that utilizes ultra-pure Nitrogen to further eliminate Rn daughter deposition on the already sanded inner surface of the detector.

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