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for SPALAX-NG improvement

In the context of the Comprehensive Nuclear Test Ban Treaty (CTBT), the CEA/DAM developed the SPALAX-NG (Système de Prélèvement Automatique en Ligne avec l'Analyse du Xénon – New Generation) certified in 2021. From this date, it was introduced in the International Monitoring System to detect xenon releases following a nuclear explosion. This system is still under continuous improvement. In particular, CEA/DAM continues to work on several aspects (detection, materials, heating components ...) to improve its operational and technical robustness. This presentation aims to provide an overview of the different ways in which the SPALAX-NG technologies can be improved.

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