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Design of the On-Site Inspection Field Laboratory

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In 2021 the first layout and design of the next generation on-site inspection (OSI) field laboratory was presented (Poster 3.2 -691). It highlighted the requirements, the status and future improvements of the OSI field laboratory for the development of its capability to be rapidly deployed during a CTBT OSI. Here we present some of the improvements for the OSI field laboratory, notably for the installation of the joined two-pod laboratory component setup, insulation of the containers and results of the operation of a SAUNA system inside to process and analyse gas samples for their xenon content. Furthermore, we present the modular design of the setup of laboratory components, combining the two-pod setup with tents to streamline the various processing tasks, measurement, analysis of and reporting on particulate samples, which leads to our first overall design of the new generation OSI field laboratory proposed for future exercises.

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Promotional text

This poster addresses improvements for the OSI field laboratory and we present the first overall design of the new generation OSI field laboratory proposed for future exercises.

Oral preference format

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