

# Application of the anti-Compton shielding in the gamma spectrometer of the SWAN neutron explosives detector

*Friday, 13 September 2019 10:25 (25 minutes)*

Application of Neutron Activation Analysis for revealing isotopic composition of the content of sealed containers catches attention of any security officer. It is a matter of fact though, that neutron radiation is not easy to handle, and any device employing it in its operating principle is bound to include tricky solutions to a number of challenges. One of them is enormous background which can overload any acquisition system. We present the detection setup of the SWAN neutron explosives detector, designed to suppress the background of incoming gamma radiation.

## **Collaboration**

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**Session Classification:** Neutrons in Homeland Security