

Machine Learning to Categorize Radionuclide Spectra

Wednesday 26 June 2019 17:00 (15 minutes)

The poster briefly describes work using one- and two-dimensional Convolutional Neural Networks (CNNs) to categorize radionuclide spectra. The aim of this work is to automatically recognize ‘normal’ spectra and thus possibly reduce the work of the human analysts, which would need to focus on the unusual spectra which are more difficult to categorize.

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Session Classification: T3.5 Data Analysis Algorithms, Artificial Intelligence, Big Data and Deep Learning

Track Classification: Theme 3. Verification Technologies and Technique Application