

Session Program

5 March 2025



NuSec Technical Workshop 2025

Session 3: Sigma Data and Algorithm Studies

Institute of Physics, London
37 Caledonian Road London N1 9BU, UK

Wednesday 5 March

14:00

Session 3: Sigma Data and Algorithm Studies

Session | **Location:** Institute of Physics, London, 37 Caledonian Road London N1 9BU, UK

14:00–14:15 **NTRnet Updates**

Speaker

Prof. Tom Scott

14:15–14:45

Insights from the SIGMA Dataset: AI-Driven Radiation Detection in Complex Environments

Speaker

Caroline Shenton-Taylor

14:45–15:00

Detection of anomalies in large radiation data streams using changepoint theory

Speaker

Kes Ward

15:00–15:15

Data driven techniques to analyse gamma-ray spectra from the London SIGMA sensor network

Speaker

Daniel Binks

15:15–15:30 **GROUSE 2025 update**

Speakers

Mr Adam White, John Garrod

15:30–15:45

Real time identification and tracking of radioactive materials carried by humans

Speaker

Sam Fearn

15:45–16:00 **SIGMA Data 2**

Speaker

Dr Philip Martin

16:00–16:15 **Final Remarks**

Speaker

Paul Sellin

16:15