

Anders Ringbom, Mattias Aldener, Klas Elmgren, Tomas Fritioff, Peter Jansson, Sofie Liljegren, Henrik Olsson, Swedish Defence Research Agency (FOI), Stockholm, Sweden.

P3.4-394

- This poster discuss analysis of a two year data set measured using the worlds first radioxenon array, installed in Sweden.
- The array is used to address the challenge of locating and identifying release sources in Europe.
- Data was analysed with respect to isotopic ratios and possible source location, and compared to data from the IMS station SEX63, equipped with a ultra-sensitive SAUNA III.
- We find that
 - A large number of plumes were identified, many containing multiple isotopes.
 - The array performs as well, or better, compared to the IMS station.
 - The main source locations depends on isotopic composition of the plume.
- See you at the poster!!

