

Noble Gas Joint Measurement Project regarding CTBT

*Yuichi Kijima¹, Yoichi Yamamoto¹, Yutaka Tomita¹

1. Japan Atomic Energy Agency

The Japan Atomic Energy Agency has been conducting the measurement of radioxenon using the transportable xenon laboratories (TXLs) at Horonobe, Hokkaido and Mutsu, Aomori since 2018, as part of the noble gas joint measurement project with CTBTO, which is aimed at contribution in better understandings of the measurement data obtained at the CTBT International Monitoring System (IMS) Takasaki radionuclide station. The comparison among the measurement results of radioxenons at 3 measuring points (Horonobe, Mutsu and Takasaki) since 2018, and the analyses results by atmospheric transport modelling (ATM) on estimation of emission source of radioxenon detected will be reported.