

T2.4-O4. Update on the Workshop on Signatures of Medical and Industrial Isotope Production (WOSMIP)

The fifth Workshop on Signatures of Medical and Industrial Isotope Production (WOSMIP) was held in Brussels in May 2015. This annual workshop focuses on the issue of radioxenon background emissions from fission-based medical isotope production and its influence on the International Monitoring System (IMS). The workshop brings together the medical isotope production and nuclear explosion monitoring communities in an effort to minimize the impact on the verification of the Comprehensive Nuclear-Test-Ban Treaty (CTBT). The fifth WOSMIP workshop involved discussions of the overall radioxenon issue, updates on isotope production methods, technologies used to measure radioxenon (both at the isotope production facility and at IMS locations), research and development targeted at reducing xenon emissions, and methods for data sharing between the communities. This work will outline the goals and outcomes of the recent WOSMIP as well as lay out recommendations from the confluence of the two communities.

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