

1st PrimA-LTD WORKSHOP

Thursday 24 November 2022, 13:00 – 17:30



Online or at CIEMAT (Centro de investigaciones energeticas, medioambientales y tecnologicas, Spain (address: CIEMAT, Building 1, room B, Av. Complutense 40, 28040 Madrid)

PROGRAMME	
12:30 – 13:00	Registration
13:00 – 13:05	Welcome address (CIEMAT)
13:05 – 13:20	Introduction to the PrimA-LTD project PrimA-LTD coordinator: Ole Nähle, Physikalisch-Technische Bundesanstalt (Germany)
13:20 – 14:00	Advanced MMC-spectrometers for decay-scheme independent radionuclide metrology Jörn Beyer, Physikalisch-Technische Bundesanstalt (Germany)
14:00 – 14:40	Radioactive source preparation compatible with novel cryogenic detectors for absolute activity determination, comparison to established activity standardisation techniques and high-resolution spectrometry of selected radionuclides Dennis Renisch, Johannes Gutenberg-Universität Mainz (Germany)
14:40 – 15:00	Coffee break
15:00 – 15:40	Radioactive source absolute activity determination by means of low temperature calorimeter and its comparison to established activity standardisation techniques and high-resolution spectrometry of selected radionuclides Miguel Roteta, Centro de investigaciones energeticas, medioambientales y tecnologicas (Spain)
15:40 – 16:20	High statistics measurement of the spectrum shape Matias Rodrigues, Commissariat à l'énergie atomique et aux énergies alternatives (France)
16:20 – 17:00	High-precision theoretical calculation of beta and electron capture decays Xavier Mougeot, Commissariat à l'énergie atomique et aux énergies alternatives (France) <ul style="list-style-type: none"> • Adrien Andoche, Centre National de la Recherche Scientifique (France): <i>Influence of the Chemical Environment on EC Decay of ⁷Be</i> • David Durel, Institut Polytechnique des Sciences Avancées (France): <i>Connection between different microscopic methods for the description of beta decay</i>
17:00 – 17:30	Creating impact and discussion Frederic Juget, Centre hospitalier universitaire Vaudois (Switzerland)
17:30	End of the workshop