nephews
Neutrons and Photons
Elevating Worldwide Science

NEPHEWS – Virtual trainings - *Research Capabilities*

Scientific scope of interest	Topic	Speaker
Topics related to Research infrastructure landscape and Measurement Techniques		
Introduction to the X-ray landscape in Europe.	Introduction to European X-ray facilities, covering their past and future evolution, complementarity (similarities and differences) and position in the worldwide landscape.	Specialist from ESUO
Introduction to the neutron landscape in Europe.	Introduction to European neutron facilities, covering their past and future evolution, complementarity (similarities and differences) and position in the worldwide landscape.	Specialist from ENSA
X-rays and their interaction with matter.	Introduction to X-rays as a probe of matter, materials and processes.	Specialist from ESRF
Topics related to Measurement Techniques		
Neutrons and their interaction with matter.	Introduction to neutrons as a probe of matter, materials and processes.	Specialist from ILL and / or ELI
Experimental techniques and science example: neutrons.	Introduction to a range of techniques, covering at least the most widely used, with recent examples that illustrate typical applications and the *state-of-the-art*.	Specialist from N facility
Topics related to Experimental techniques		
Experimental techniques and science example: synchrotron X-rays.	Introduction to a range of techniques, covering at least the most widely used, with recent examples that illustrate typical applications and the *state-of-the-art*.	Specialist from SR facility
Experimental techniques and science example: synchrotron X-rays.	Introduction to a range of techniques, covering at least the most widely used, with recent examples that illustrate typical applications and the *state-of-the-art*.	Specialist from EU-XFEL

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