

Scientific Opportunities with very Hard XFEL Radiation

Friday 20 January 2023

High pressure, warm dense matter, electron dynamics, strong field science: Plenary Session - Auditorium (09:00 - 13:00)

time	[id] title	presenter
09:00	[59] Introduction	
09:15	[37] Implications of High Photon Energy FELS for some areas of HED Science	WARK, Justin
09:35	[60] X-ray spectroscopy, diffraction and imaging techniques for high energy density matter enabled by very hard X-rays at XFELs	KRAUS, Dominik
09:55	[43] Study of heavy elements collisional-radiative behavior using hard XFEL radiation	CONDAMINE, Florian
10:15	Break	
10:45	[32] Hard XFEL radiation for Warm Dense Matter, High Energy Density Studies	VINCI, Tommaso
11:05	[44] Strong-field physics prospects at 50 keV at European XFEL	Dr HERNANDEZ ACOSTA, Uwe
11:25	[61] Panel discussion and conclusions	
12:30	[62] Poster session awards and closing words	