



## The SXP instrument at the European XFEL: status and perspectives

24 January 2022, 9:00-14:00

*Virtual Meeting (Zoom)*

The SXP (Soft X-ray Port) is the third instrument at the soft X-ray undulator system of the European XFEL. The core idea of the instrument is to extend the portfolio of techniques available at the baseline instruments SCS and SQS. In this workshop, the status of the project and its new scientific perspectives will be discussed.

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Date			
9:00	<b>Welcome</b>	Serguei Molodtsov	European XFEL
9:10	SXP in a nutshell	Manuel Izquierdo	European XFEL
<b>Part I</b>	<b>SXP science cases and first experiments</b>		
9:25	Complete time- and spin-resolved photoelectron spectroscopy at SXP	Kai Rossnagel	DESY and CAU Kiel
9:50	Chemical and bio-inorganic X-ray spectroscopy at SXP	Philipp Wernet/ Peter Feuer-Forson	Uppsala University/ HZ Berlin
10:15	Highly Charged Ions research at SXP	Jose Crespo	MPI Heidelberg
<b>10:40</b>	<b>Coffee Break</b>		
<b>Part II</b>	<b>SXP day one Instrumentation</b>		
10:50	SXP beam transport system	Maurizio Vannoni	European XFEL
11:10	SXP Laser program	Patrik Grychtol	European XFEL
11:30	Recent progress in ToF momentum microscopy towards spin- and time resolution	Gerd Schönhense	University Mainz
<b>11:50</b>	<b>Lunch Break</b>		
<b>Part III</b>	<b>Further possible photoemission experiments</b>		
12:20	Correlated electrons and novel temperature scales at the surfaces of 4f materials	Denis Vyalikh	Donostia International Physics Center
12:40	tr-PES view of correlated electron dynamics across phase transitions	Tommaso Pincelli	Fritz Haber Institute
13:00	Electron dynamics of light harvesting processes	Geoff Thorton	University College London
13:20	Ultrafast core level spectroscopy using an X-ray free electron laser source	Philip Hoffmann	Aarhus University
<b>13:40</b>	<b>End</b>		