



Data analysis at the European XFEL

27.01.2023/10:00 – 16:30

Virtual Meeting (Zoom)

Experiments performed at the European XFEL are complex and can generate enormous amounts of data. While online analysis provides crucial feedback in real-time to effectively steer the experiment, more rigorous offline analysis is necessary to bring new scientific findings to publication. One of the core missions of the Data Analysis group is to provide tools to enable this analysis and interpretation of scientific data both online and offline.

During this workshop we will highlight the latest work from our group, give tutorials on data analysis at the European XFEL and offer breakout rooms to discuss issues and ideas together.

Organiser: Luca Gelisio

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Date			
10:00 -- 10:10	Welcome	L. Gelisio	European XFEL
10:10 -- 10:40	News	P. Schmidt	European XFEL
10:40 -- 11:10	Scientific data policy update	F. Dall'Antonia	European XFEL
11:10 -- 11:40	Highlight: DAMNIT	J. Wrigley	European XFEL
11:40 -- 13:00	<i>Break</i>		
13:00 -- 13:30	Tutorial: Infrastructure	R. Rosca	European XFEL
13:30 -- 14:00	Tutorial: Online data analysis	C. Carinan, D. Hammer	European XFEL
14:00 -- 14:30	<i>Break</i>		
14:30 -- 15:00	Tutorial: Offline data analysis	T. Kluyver	European XFEL
15:00 -- 15:30	Tutorial: SFX data analysis aided by Extra-xwiz	O. Turkot	European XFEL
15:30 -- 16:30	Office hours	Everyone	European XFEL