

# **European XFEL data workshop**

Luca Gelisio, for the DATA department

### Workshops and training material <sup>™</sup>

The material presented from 2022 onward is available here ...

In general, links to material relevant to you is available at https://www.xfel.eu/data\_analysis  $^{\c C}$ .

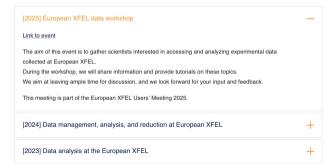




### Workshops and training material



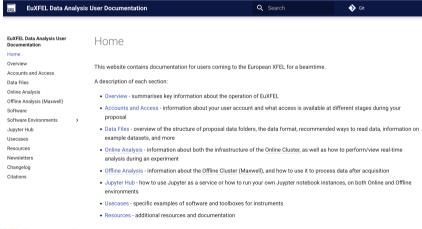
#### Workshops and meetings



### Workshops and training material



### Workshops and training material



#### Get in touch!

Something is missing or you want to discuss your data? Get in touch! da@xfel.eu

#### **Announcement**

DESY-European XFEL – Joint Data science session <sup>™</sup>

14:00	Real time data analysis at PETRA III
14:30	Weak signal extraction enabled by deep neural network denoising of diffraction data
15:00	A high-throughput data pipeline for MHz XPCS: analyzing protein dynamics via solution scattering
15:30	Machine-learning-enhanced characterization of x-ray pulses

Wednesday, 22 January 2021, 14:00 – 16:00 DESY auditorium





#### Poster session: come and talk to us!

- 10. A high throughput Data Pipeline for MHz XPCS: Online Analysis
- 11. A high throughput Data Pipeline for MHz XPCS: Offline Analysis
- 12. Advancing FAIR principles for XPCS data from XFEL experiments within the DAPHNE4NFDI project
- 15. Electronic structure calculations and X-ray spectroscopy simulations at European XFEL
- 21. The new Scientific Data Policy of the European XFEL
- 22. Data Management Plans: first experience and outlook
- 24. Interpretable Machine Learning at the EuXFEL
- 25. Enhancing spectral and temporal diagnostics at European XFEL
- 27. Electron-Photon Correlations: Towards X-ray Pulse Diagnostics at MHz Repetition Rates
- 28. xFrame: A software suite for invariant based phase retrieval in fluctuation X-ray scattering
- 39. DAPHNE4NFDI at European XFEL
- 40. Automatic data processing and results overview during SFX experiments
- 42. Data Managements Infrastructure for European XFEL
- 43. Proposal Lifecycle Services at the European XFEL
- 44. MyLog: the new Electronic Logbook of European XFEL
- 58. Automatic experiment overview with DAMNIT
- 36. Automatic experiment overview with DAMMIN
- 64. Data reduction activities at European XFEL
- 65. Beamline automation activities at European XFEL
- 75. Data Analysis at the EuropeanXFEL

Tuesday, 21 January 2021, 16:00 – 19:00 CFEL building

### **Acknowledgments**

The Data Analysis and IT & Data Management groups, Many colleagues in the Science Division and Instrumentation Department.











### Acknowledgments





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