

PUNCHLunch –

the online lunch seminar of the PUNCH4NFDI Consortium

Every second Thursday, 12:30-13:30 hrs: keynote and discussion



Thursday, 17 November 2022, 12:30 hrs:

Dr. Gerrit Günther (HMC Hub Matter/Helmholtz-Zentrum Berlin) [Boxing Gou, Frank Maas, Oonagh Mannix, Kilian Schwarz, Vivien Serve, Malte C. Walfert]

Use Case: A4 Instrument to Data Publication

FAIR data management considerations for medium-size physics experiments

Abstract:

Awareness of the need for FAIR data management has increased in recent years; but examples of how to achieve this are often missing. We consider FAIR data management at a specific experiment: A4, was a particle physics experiment (now decommissioned) used to investigate the contribution from strange quarks in the non-perturbative region that was situated at the Mainz Microtron (MAMI). Data from the experiment is still producing scientific publications and there is a strong interest in publishing the entire data set.



To increase the FAIRness of the distributed file set (meta)data is (i) enriched by metadata, (ii) converted to a machine- as well as human-readable format, and (iii) linked to a central file to create scientific context. We provide examples of concrete implementation for each of these steps. This provides a use case to understand how to enrich data with metadata postmortem and consequently what could be considered for FAIR data management in future experiments.

Connection details:

ZOOM Meeting “PUNCHLunch seminar”: <https://indico.desy.de/event/36699/>

Webinar ID: 919 1665 4877, passcode: 481572

Next event: to be announced

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