Contribution ID: **34**   Type: **not specified**

Make discoveries discoverable: PID integration in High Energy Physics Information Services

The THOR (Technical and Human infrastructure for Open Research) project (http://project-thor.eu) is a 30-month project funded by the European Commission under the Horizon 2020 program. THOR aims to extend the integration of persistent identifiers (PIDs) into platforms, services, and workflows. The aim is not to build new, standalone services, but to work with existing systems and communities, in this case, the high energy physics (HEP) research community. By creating new and improved integrations of PIDs in the services that researchers and institutions actually use, we aim to ensure that PIDs are usefully embedded in research outputs and activities from the very beginning, with minimal effort for researchers.

HEP research produces a huge amount of data and it is common for HEP experiments to involves thousands of researchers. These characteristics shape the unique communication pattern within the discipline and demands tailored services such as accurate attribution of work and interconnection between different levels of research data. We have integrated ORCID on the community digital library INSPIRE, and are working with LHC collaborations to include ORCIDs in the author XML to mitigate the author name disambiguation problem. Since the initial integration of ORCID, 10% of all authors listed on INSPIRE has ORCID associated to their profile. We have explored use cases for article-data-author linking and implemented DataCite DOI on existing and upcoming HEP data service platforms, e.g. HEPData and CERN Open Data Portal.

The poster introduces the THOR project, HEP's unique challenges and showcases the PID integrations in the aforementioned HEP information service platforms, use cases and on-going works towards the optimization of PID usage.

Author: Ms CHEN, Xiaoli (CERN)

Presenter: Ms CHEN, Xiaoli (CERN)

Session Classification: Posters and Minute Madness Sessions