

NAPMIX: Nuclear, Astro, and Particle Metadata Integration for eXperiments



The NAPMIX project aims to create a cross-domain metadata schema tailored for the Nuclear, Astro, and Particle Physics communities. By leveraging local and international connections, NAPMIX will foster synergies with related fields, enhancing cross-domain interoperability.



Challenge	Solution	Scientific Impact	Partners
There is a significant gap in nuclear physics: the lack of a unified metadata schema necessary for achieving FAIR datasets. This challenge extends to the fields of particle and astro-particle physics, highlighting the need for a collaborative European effort to create a common metadata schema with user-friendly infrastructure.	NAPMIX will establish a collaborative community in experimental nuclear, astro-particle, and particle physics to develop a comprehensive metadata schema and user interface. The project will publish the schema and broaden connections within the ESCAPE community, while striving to connect to the EOSC.	NAPMIX promotes discipline-specific metadata and fosters collaboration across fields. The project will enhance the uptake of Open Science practices and contribute to scientific progress through its integration with existing infrastructures,	GSI Helmholtzzentrum für Schwerionenforschung GmbH