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EDM4hep an event data model for future collider studies

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The Event Data Model (EDM) is at the core of HEP experiments software frameworks. It defines the language in which physicists are able to express their ideas and also how the different software components communicate with each other. The Key4HEP project aims to develop a common software stack for future collider projects. One of the main components of Key4HEP is a common EDM in the form of EDM4hep. It is generated via the podio EDM toolkit and a prototype design of EDM4hep, based on LCIO, is in place. We will briefly discuss some technical points of the implementation of EDM4hep, and based on that highlight some of the similarities and differences between EDM4hep and LCIO. We will finish with the report of some first experiences with EDM4hep in the Key4HEP framework and give an outline of future plans.

Time Zone

Europe/Africa/Middle East

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