

PUNCHLunch –

the online lunch seminar of the PUNCH4NFDI Consortium

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



Thursday, 19 September 2024, 12:30 hrs:

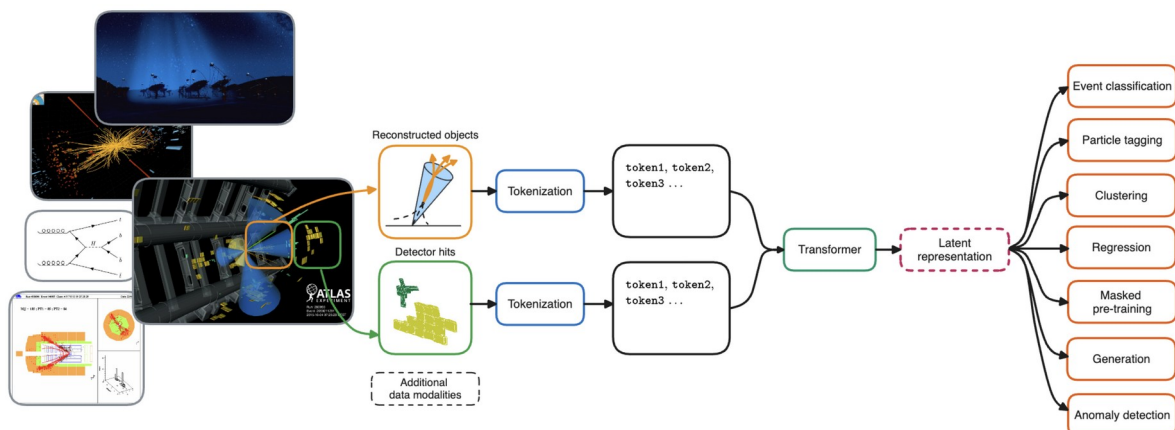
Anna Hallin (University of Hamburg)

Foundation models for HEP

Leveraging the power behind large language models for physics

Abstract:

Foundation models are machine learning models designed to handle a wide range of datasets and tasks. After being pre-trained on a specific task on a specific dataset, these models can be fine-tuned for various downstream applications, including different tasks and datasets. Developing such models for physics data could significantly enhance performance in the field and substantially cut down the necessary training time and data requirements. In this talk, I will give an introduction to foundation models, provide an overview of the foundation models that exist for particle physics today, and discuss some challenges and outlooks for the future.



Architecture of proposed foundation model

Connection details:

ZOOM Meeting “PUNCHLunch seminar”: <https://indico.desy.de/event/46444/>

Webinar ID: 919 1665 4877, passcode: 481572

Next event: To be confirmed

Connect to PUNCH4NFDI:

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