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Summary of the AISSAI workshop on AI and the Uncertainty Challenge in Fundamental Physics

lundi 4 mars 2024 12:00 (25 minutes)

The AISSAI workshop on AI and the Uncertainty Challenge in Fundamental Physics https://indico.in2p3.fr/event/30589/ took place in Paris and Orsay 27-Nov to 1st Dec 2023. The following themes were covered Uncertainty Quantification, Explainable AI, Simulation-Based Inference, Data frugal approaches, Data-centric AI , Benchmarks dataset and challenges, Unfolding (or de-biasing, de-blurring) ,Controlling uncertainties in generative models and Architectures (Adversarial, Bayesian, …). In addition, a hackathon took place as a prototype of the Fair Universe competition to run as a NeuriPS competition in 2024. This talk will attempt to summarise the most salient points on recent developments shown in the different themes around uncertainty.

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Classification de Session: Contributed