

ATLAS Open Data at 13TeV - The journey to a fully educational HEP dataset

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ATLAS is the first LHC collaboration releasing data recorded at 13 TeV centre-of-mass energy. Billions of real events that correspond to proton-proton collisions recorded in 2016 are accompanied by several orders of magnitude more events of simulated samples of Standard Model processes and New Physics hypothetical processes. We intend to show the development of this open educational project through the eyes of the researchers, developers, professors and students, and communicators that designed, constructed, deployed, tested and consolidated the dataset and a series of tools for teaching High Energy Physics (HEP) and its related Computer Science to students worldwide. The ATLAS Open Data project puts in evidence the necessity of multidisciplinary and multicultural teams. ATLAS Open Data enables the teaching of High-Energy Physics and the science of Big Data through the use of real ATLAS technology and techniques. The 2020 dataset release will be presented.

I read the instructions

Secondary track (number)

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