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ATLAS Open Data: developing education and outreach resources from research data

Tuesday 17 May 2022 19:00 (1 hour)

The ATLAS Open Data project aims to deliver open-access resources for education and outreach in High Energy Physics using real data recorded by the ATLAS detector. The Open Data release so far has resulted in the release of a substantial amount of data from 8 TeV and 13 TeV collisions in an easily-accessible format and supported by dedicated software and documentation to allow its fruitful use by users at a range of experience levels. To maximise the value of the data, software, and documentation resources provided ATLAS has developed initiatives and promotes stakeholder engagement in the creation of these materials through on-site and remote training schemes such as high-school work experience and summer schools programs, university projects and PhDs qualification tasks. We present examples of how multiple training programs inside and outside CERN have helped and continue to help development the ATLAS Open Data project, lessons learnt, impacts, and future goals.

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