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JADE Data Preservation

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The JADE experiment was located at DESY in Hamburg and collected data in e^+e^- collisions in the PETRA storage ring from 1979 to 1986 with a center-of-mass energy between 12 and 46.6 GeV. Most notably the JADE collaboration was responsible for the (co-)discovery of the gluon as well as establishing jet-physics and testing of quantum chromodynamics (QCD).

Preservation of the unique JADE data, software and documentation is important for the scientific, educational and cultural reasons. In collaboration with the CERN opendata project we provide the software and necessary documentation to analyze and understand the JADE data. The preserved data, computing notes, software, original logbooks listing notable events and important parameters over the whole data taking time are openly available to the public and might be used in modern analyzes.

Summary

Authors: VERBYTSKYI, Andrii (Max Planck Society (DE)); Mr HILDEBRANDT, Richard (Max-Planck Institute for Physics)

Presenters: VERBYTSKYI, Andrii (Max Planck Society (DE)); Mr HILDEBRANDT, Richard (Max-Planck Institute for Physics)

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