



Successful DIS run with CORE in Delphes

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See my Delphes intro 29 July 2021

<https://indico.jlab.org/event/463/>

- ▶ 7GB DIS file at BNL
 - ▶ Directory /gpfs/mnt/gpfs02/eic/bpage/home/eicBeamSimu/Pythia8/headonTestJin/
 - ▶ File: test_crossDiv_35mRad_18x275_v1.hepmc
- ▶ Delphes control card: Delphes_CORE_3T.tcl.
https://eic.jlab.org/core/images/1/16/Delphes_EIC_CORE_3T.tcl
 - ▶ Output file: output18x275.root
- ▶ Sample root analysis script: dis_analyzer.cpp
https://indico.jlab.org/event/465/contributions/8886/attachments/7293/10064/dis_analyzer.cpp
- ▶ Output histograms on next page:
<https://indico.jlab.org/event/465/contributions/8886/attachments/7293/10065/18x275.pdf>

Delphes Jet
Analysis of
DIS event file
18 GeV $e^- \otimes$
275 GeV p

