

ML Project for 2026 Workshop

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Anusandhan
National
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The project

https://github.com/sanmayphy/MLSCHOOL_2026_TIFR/

<https://www.fdr.uni-hamburg.de/record/18610>

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Dataset

Open Access

Aspen Open Jets: Monte Carlo

The code that was used to create this dataset from CMS open simulation can be found at <https://github.com/OzAmram/AOJProcessing>. The following datasets were used:

QCD datasets

- CMS Collaboration (2024). Simulated dataset QCD_Pt_300to470_TuneCP5_13TeV_pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.BN4O.SD1T](https://doi.org/10.7483/OPENDATA.CMS.BN4O.SD1T)
- CMS Collaboration (2024). Simulated dataset QCD_Pt_470to600_TuneCP5_13TeV_pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.3OWE.GOJK](https://doi.org/10.7483/OPENDATA.CMS.3OWE.GOJK)
- CMS Collaboration (2024). Simulated dataset QCD_Pt_600to800_TuneCP5_13TeV_pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.FBVA.7HTR](https://doi.org/10.7483/OPENDATA.CMS.FBVA.7HTR)
- CMS Collaboration (2024). Simulated dataset QCD_Pt_800to1000_TuneCP5_13TeV_pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.R6GX.8H9J](https://doi.org/10.7483/OPENDATA.CMS.R6GX.8H9J)

Top datasets

- CMS Collaboration (2024). Simulated dataset ZPrimeToTT_M900_W270_TuneCP2_13TeV-madgraph-pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.ATIE.JNIC](https://doi.org/10.7483/OPENDATA.CMS.ATIE.JNIC)
- CMS Collaboration (2024). Simulated dataset ZPrimeToTT_M900_W90_TuneCP2_13TeV-madgraph-pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.QAJN.QZWZ](https://doi.org/10.7483/OPENDATA.CMS.QAJN.QZWZ)
- CMS Collaboration (2024). Simulated dataset ZPrimeToTT_M2000_W200_TuneCP2_13TeV-madgraph-pythia8 in MINIAODSIM format for 2016 collision data. CERN Open Data Portal. DOI:[10.7483/OPENDATA.CMS.QL8F.A5KF](https://doi.org/10.7483/OPENDATA.CMS.QL8F.A5KF)