

Status report

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JER implementation

Existing examples for JER application for nanoAOD

- Bamboo:: CMSJMECalculators ([gitlab](#))
- RDataFrame-friendly implementation of jet and MET for CMS NanoAOD
- Python based
- nanoAOD-tools:: jme module ([github](#))
- Mostly activated in JetMET mattormost channel
- Python based

Documentations

- [Twiki](#): General description ([workbook](#), last updated at 2020-07-01)
- [JRDatabase](#): historical record of all jet energy resolution (JER) files. (format: text/tarball/SQLite)
- [jetSmearer.py](#): JER module in nanoAOD-tools
- JMESystematicsCalculators([.h](#)/[.cc](#)): Variation calculation for AK4 and AK8 jet JER and JES