

<https://gitlab.cern.ch/PhysicsValidationDB/uploader>

Python Uploader for Dossier

Status and Plans

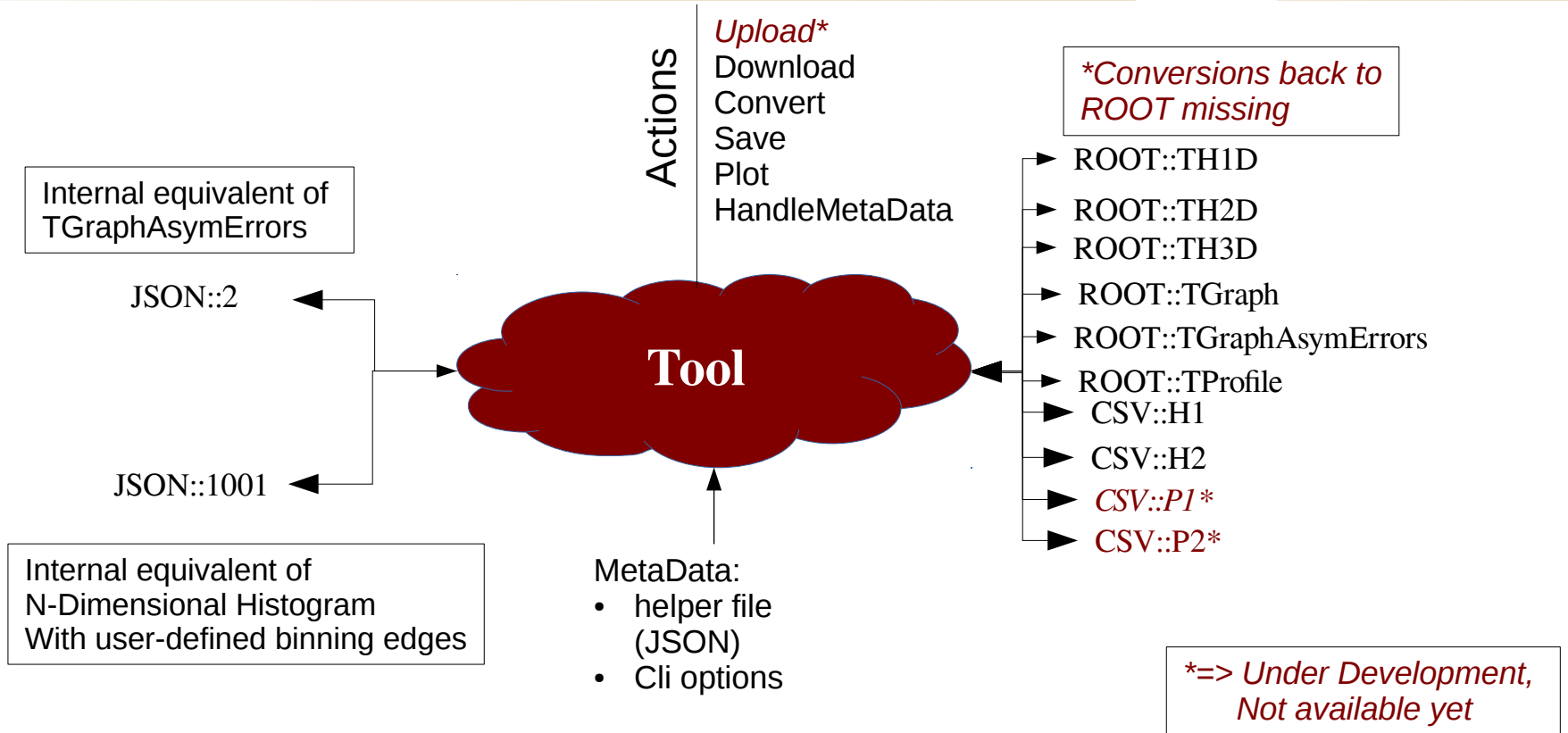
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Reminder

- **Primary Goal:** provide interface to read ROOT and G4Analysis objects (histos and graphs) and convert to JSON
 - Python code
 - Support for TH1D, TH2D, TGraph and TGraphAsymmErrors
 - CLI and API: both a standalone CLI interface and module API should be provided

Design



Application has a CLI (Command Line Interface) to use it w/ input ROOT / CSV file

- for ROOT allows to specify one or more histos from one or more files, e.g.
File.root:/TdirectoryName/Histo.*WithRegExp.*
- see demo from Hans

Application is python based, thus can be imported into a python work-flow (e.g. GRID jobs)

- use w/ StatTest to perform also automatic statistical testing: interesting possibility to explore in the future

What is missing

Debugging: right now

Complete converters from FNAL to ROOT (for download): right now

Validation: perform round test ROOT→FNAL→ROOT and verify diff==0

Documentation

Find a proper name :-)