Contribution ID: **15**   Type: **Presentation**

MCPLOTS : MC validation resource based on volunteer computing

Wednesday, 24 January 2024 11:00 (20 minutes)

We present the MCPLOTS online resource for MC event-generator validations. The project is based on the RIVET analysis library and harnesses volunteer computing to generate high-statistics MC comparisons to data. Users interact with the resource via a simple web site, mcplots.cern.ch, where run cards, histogram points, etc, are all made easily available for download. The project has been structured to enable community-driven developments, and we discuss the computational back end, the web front end, and possibilities for further extensions and collaboration.

Primary authors: KARNEYEU, Anton (INR RAS); KORNEEVA, Natalia (Monash University); SKANDS, Peter (Monash University)

Presenter: KORNEEVA, Natalia (Monash University)

Session Classification: Tuning of event generators