

Rivet CMS feedback

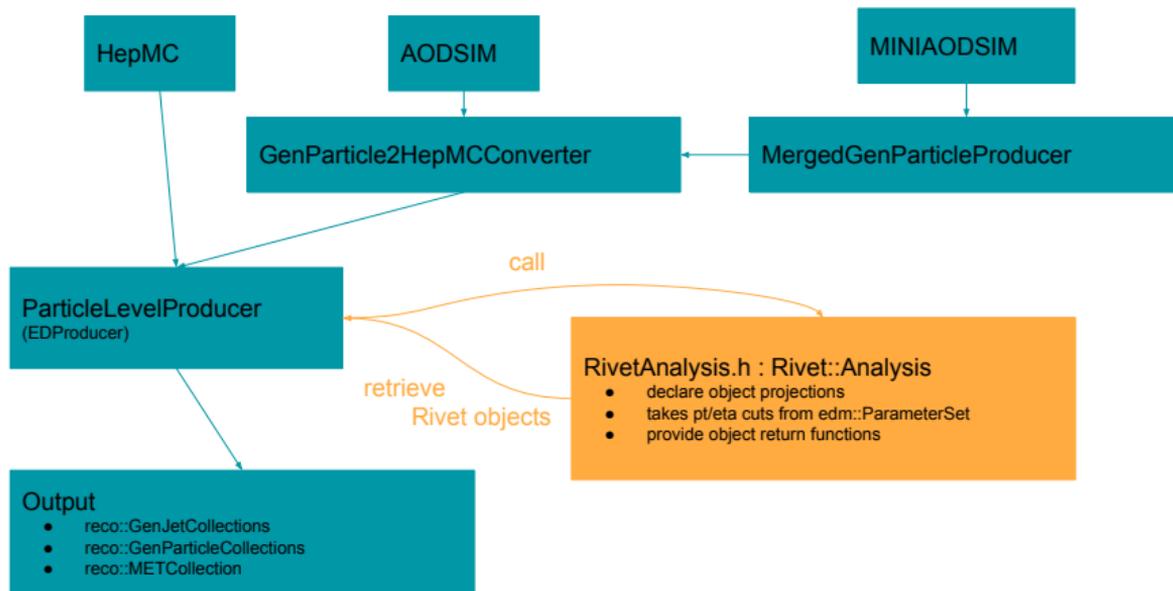
Xavier Janssen, Luca Perrozzi, Markus Seidel, Efe Yazgan

CERN

April 10, 2018



Rivet objects integrated via “ParticleLevelProducer”



- Part of CMSSW RivetInterface → no more Rivet-incompatible objects (hopefully)
- Ghost-tagged jets, dressed leptons, neutrinos, photons, MET; switch for PromptFinalState

Submission of SM analyses

gitlab

- Using CMS-internal gitlab repository for Rivet analysis development since 2017
- Hosted by CERN, convenient code review: directly on the merge requests
- Similar repository model possible for plugin submission to Rivet?
 - Rivet-contrib works fine for submission but no feedback on the code quality
 - Updates/fixes are difficult (email), and we cannot prevent usage of buggy plugin versions
 - Rivet could check if there are “bugfix” merge requests available that involve some plugin, and give a warning to the user!

Analysis wishlist

- Is this wishlist up-to-date?
<https://rivet.hepforge.org/trac/wiki/AnalysisWishlist>
- Difficult to find people implementing the old analyses
- Better chance for recent analyses: Please send requests, this could motivate the authors!

BSM analyses

- Only EXO χ_{dijet} analysis providing unfolded distributions
- No further feedback from BSM groups