Rivet monthly dev meeting

7 May 2019

News, releases etc.

- **3.0.0: have to wait until Lunga**
  - Time limitations ⇒ little progress. Immediate action needed on difficult merge of multiweight & 2.7.x branches, leaving just a few targeted issues for Andy, Leif, and Chris to address at the Lunga meeting: mainly cmp logic & mw/re-entrant code

  - Plan: finish merge, re-validate vs. 2.x with "bad cmp logic", fix logic ⇒ release

- **2.7.1: asap**
  - New analyses, many patches, Python3 ⇒ next week? Chris G validated cf. 2.6.2

  - Has flagged a random number non-reproducibility issue, when using multiple analyses

- **2.8.0: before/after 3.0.0?**
  - HepMC 3.1 compatibility, beam comparison improvements, check Smeared* class Projection casts (via uint?), add Transformers list to Fastjets?, HepMC event filtering?

  - Leif — "shall I rename the HepMC3 branch to release-2-8-x?"

- **Code hosting:** main repo to move Bitbucket when we have time. Not urgent

Outlook

- **HepData:**

    - **Consistency/sync report:** Holger & Christian?

- **Papers:**

    - v3/multiweight: requires release, Jon coordinating — started, ready for more input

    - smearing: Andy + Deepak Kar & Karl Nordstrom — advanced, finish at Lunga

    - heavy ion: after 2.7.0 release… when? Christian B?

- **Workshops:**

    - **Lunga dev workshop, 27-30 May:** logistics, work plan
      Workshop now fully subscribed… calls for discussion leaders very soon!

    - **Les Houches SM and BSM, June 10-28 June**