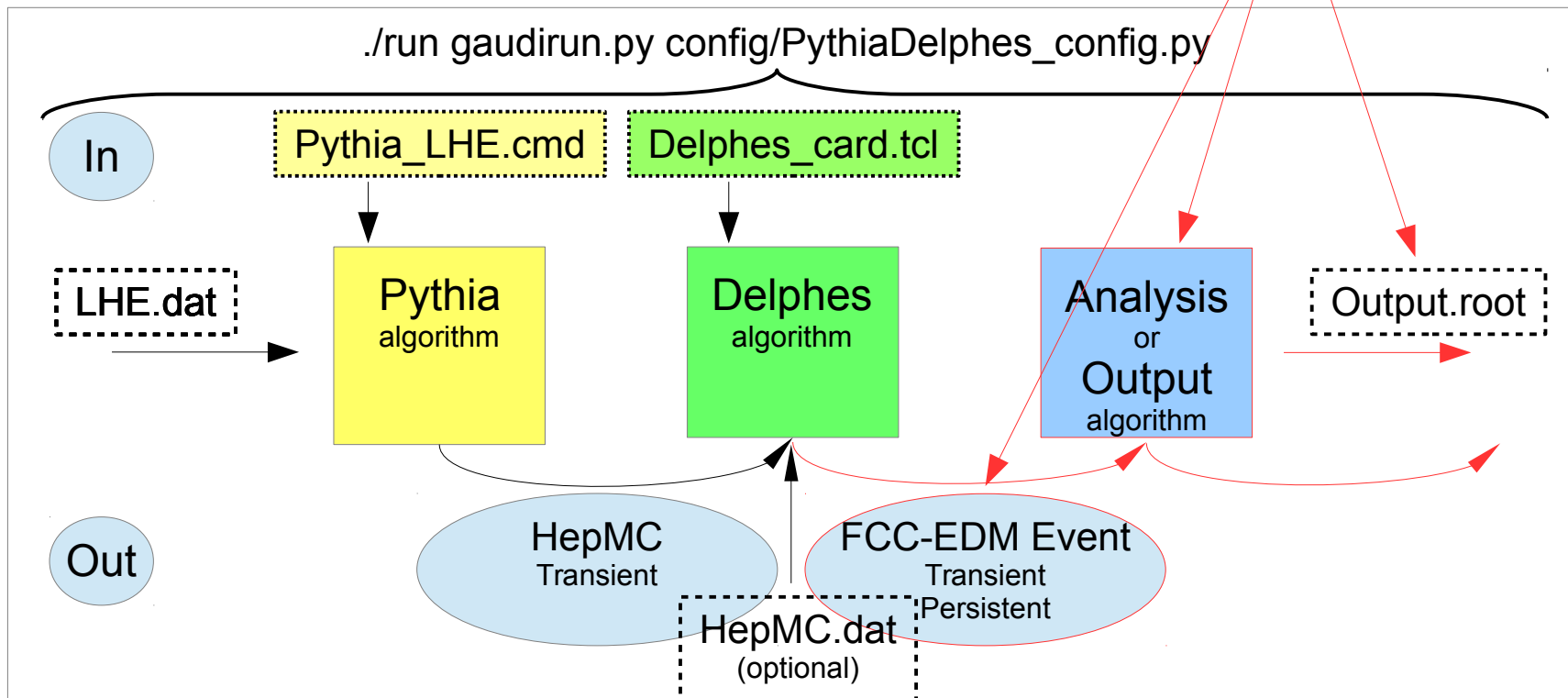# Delphes Description Status & Plans

FCC-hh

Zbyněk Drásal

CERN

Status

- Current approach provides full generator & simulator chain using the official FCC-hh Delphes card, but ...
  - Only the standard Delphes output was available from GAUDI chain ...
  - I.e. the output to the official FCC event-data model, i.e. EDM, (transient/persistent) was missing

Plans & Ongoing Activity

- Provide the output in official FCC data model

  - There were issues in MC truth information (how to save the MC truth tree?, how to access such information easily?, how to save other Delphes objects?)
  - There was a collision between Delphes class names & FCC EDM class names
  - Solution on the way: slight changes in the FCC EDM (B.Hegner & C.Bernet) + utilisation within the GAUDI Delphes module (Z.Drasal)

- Provide MC truth reader utility (A.Robson) → bi-directional tree based algorithm

- Provide an example in C++ and/or Python (using ROOT libraries) which will read-in an FCC EDM based ROOT output file and demonstrate an easy analysis (Z.Drasal & C.Helsens)