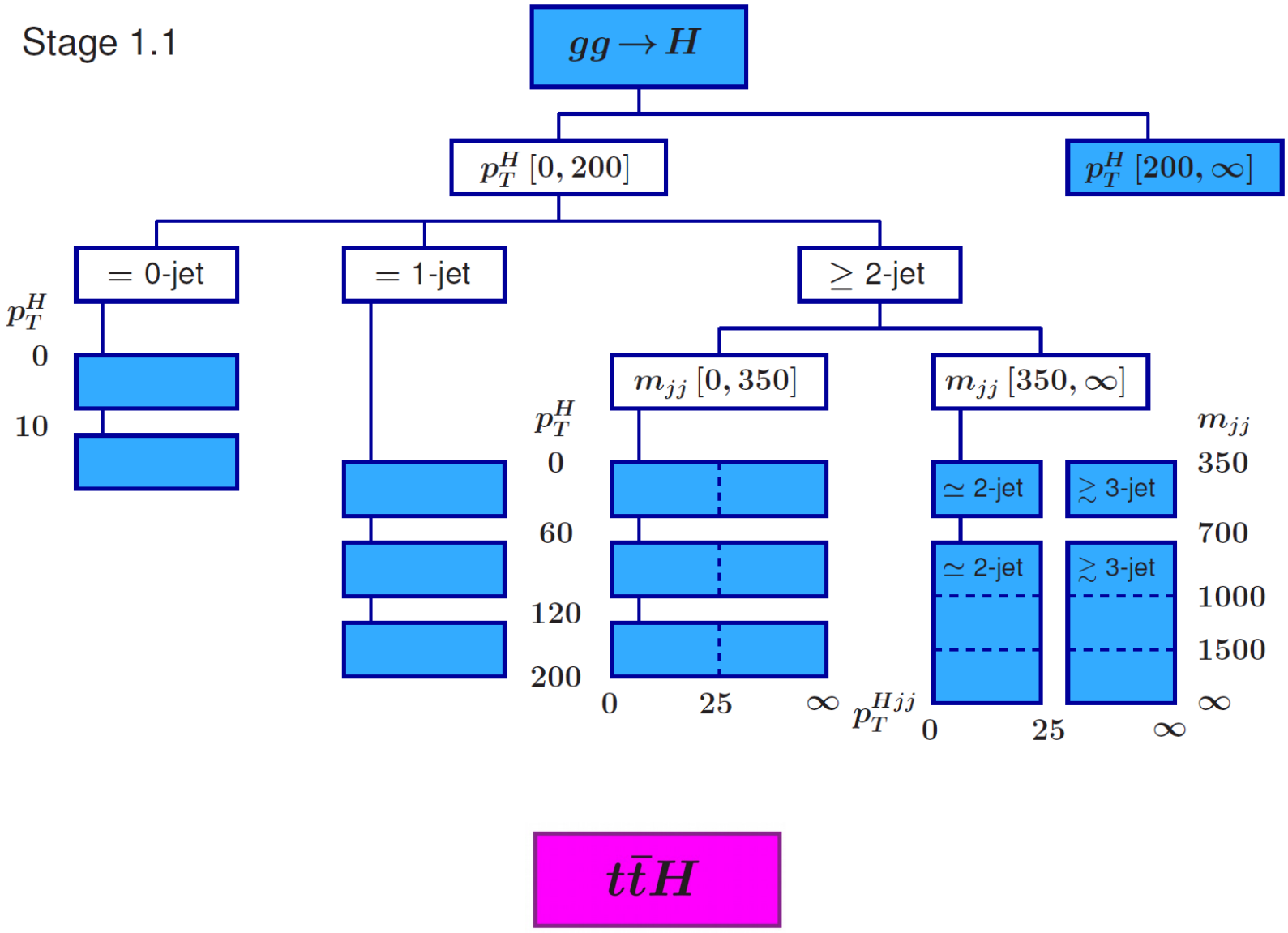
Introduction

Frank Tackmann (DESY), Lorenzo Viliani (Firenze),
Nicolas Berger (LAPP)

Stage 1.1 gg→H and ttH Binnings



All definitions here

Towards Stage 1.2

- ttH kinematic binning useful for
  - Extracting Higgs self-coupling information from single-H production
  - ttH CP

  See this talk for more details

- gg→H binning has only one bin for p_{TH} > 200 GeV, but good experimental measurements in this bin already and could split further in p_{TH}

- Discussions already at previous meetings:
  - June 6th
  - June 12th

Agenda for today

STXS meeting

Wednesday 24 Jul 2019, 10:00 → 13:00 Europe/Zurich

42/3-002 (CERN)

Nicolas Berger (Centre National de la Recherche Scientifique (FR)), Frank Tackmann, Lorenzo Viliani (Universita e INFN, Firenze (IT))

Videoconference Rooms: Fiducial_STXS_subgroup_discussions — Join — 42/3-002

10:00 → 10:10 Introduction — 10m

Speakers: Nicolas Berger (Centre National de la Recherche Scientifique (FR)), Frank Tackmann, Lorenzo Viliani (Universita e INFN, Firenze (IT))

10:10 → 10:30 Update from ATLAS — 20m

Speaker: Maria Moreno Llacer (Univ. of Valencia and CSIC (ES))

10:30 → 10:50 Update from CMS: STXS binning for ttH(bb) — 20m

Speaker: Peter Kramer (KIT - Karlsruhe Institute of Technology (DE))

10:50 → 11:10 Discussion — 20m