



COMETA polarisation study Third meeting, 15th May 2024

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Setup & runs

- → updated version of the writeup, complete info.
 - → added details for lepton dressing, and for maximal-rapidity cut for recombination

- → Any last-minute suggestion?
- → ready to start LO runs
- → YODA format: update/template from Frank and Mareen
- → ready to start LO runs
 - → LO: all
 - → loop-ind (LO): MOCANLO, Ninh-private, STRIPPER/HighTEA, MG5_aMC@NLO



Contribution from ATLAS & CMS

- → CMS: Costanza Carrivale, Roberto Covarelli, Giacomo Ortona
- → ATLAS: Joany Manjarres, Karolos Potamianos, Lailin Xiu, Junjie Zhu, Frank Siegert (already involved from SHERPA side)

What we need: provide *best* TH predictions from tools currently used by ATLAS/CMS for observables we are comparing (binning, range, definitions given in the setup document).

Not foreseen to fit new predictions in ATLAS/CMS modelling tools (unless this is already done with predictions existing in the literature)



Next meeting

- → next meeting Wednesday 19th of June at 3pm CERN time
- → is this fine with all (most) of us?
- → realistic to have at least LO runs by then



COMETA workshop & MBI

- → registrations open for the polarisation workshop in Toulouse (23-24 September)
- → this is meant (mostly) for us: please register!
- → one afternoon dedicated to our comparison work
- → two sessions for talks and Monte Carlo presentations
- → one hands-on session: MG5_aMC@NLO, POWHEG-BOX-RES, SHERPA, others?
- → happens right before MBI (25-27 September, also in Toulouse)

COMETA Workshop on Vector-Boson Polarisations

