

Proposal for discussion

HITP attendants →

review article

Open problems in heavy quark production
in particle and astroparticle physics

(suggestions for better title?)

- use the time of the workshop to form groups to cover relevant subjects
- discuss / converge on key plots to include
- aim at article not longer than ~ 40 / 50 pages

- Experimental results / consistency colliders + fixed target
(include heavy ion physics?)

- Theory : (N)NLO , resummation ,
mass-less vs. massive schemes

↓
description of data
for different energies
and phase space
regions

- Parton densities

- Applications / relevance in astroparticle physics

✓
air showers



↘
inclusive fluxes
(production)

neutrino / muon
astronomy
(detection)

- Implementation / availability in MC event generators?
- new experiments / measurements to make progress