



# Pythia week Spring 2021

JYVÄSKYLÄ MEETING

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April 12th, 2021

# The theme of the week: Pythia future

## The main goals of the week

1. Decide for the new organization for the collaboration
  - ⇒ Outline roles and duties and select persons
2. Familiarize us with some of the new features and prepare for 8.3 promotion
  - Discuss about tuning for 8.3 and prepare working group
  - Hands-on sessions to test new features
  - ⇒ Draft promotion slides for 8.3 based hands-on sessions
3. Discuss about the future of the collaboration
  - New physics features, future collaborations, number of members, diversity
  - ⇒ Prepare a road map for the next 5–10 years

# Hands-on sessions

- 4 topics to cover on Tue and Thu
- Each day will cover two topics, 1h each
- Can be taken offline in inconvenient time zones

## Structure

- Brief description of the relevant physics
- A simple “Hello world” -type example to get started
- A couple of more in-depth exercises to highlight some features

## Repository in GitLab

- A new GitLab project `Pythia / tutorials`
- Each tutorial in a separate folder
- If we like the format, continue having these also in the regular meetings
- Provides a collection of tutorials that can be re-used in schools etc.

## Slides to highlight new features (wrt. 8.2 manual?)

- DIRE
- VINCIA
- Angantyr
- Ropes and shoving
- Photoproduction and ultra-peripheral collisions
- Hadronic rescattering
- BSM physics
- What else?

## Hands-on sessions to familiarize us with these features

- Use the results as a starting point for the promotion slides
- Start drafting the slides already

## Relevant time zones for April

Melbourne: AET	(UTC +10)	17:00	19:00	21:00	23:00	01:00
Mumbai: IST	(UTC +5:30)	12:30	14:30	16:30	18:30	20:30
Local: EEST	(UTC +3)	10:00	12:00	14:00	16:00	18:00
Europe: CEST	(UTC +2)	09:00	11:00	13:00	15:00	17:00
Ohio: ESST	(UTC -4)	03:00	05:00	07:00	09:00	11:00
Chicago: CSST	(UTC -5)	02:00	04:00	06:00	08:00	10:00