



MAIA + 10 TeV Studies

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MAIA Publication Action Items

- **Target journal:**
 - Baseline: PRD; Backup more instrumentation-focused E.g. NIM-A
- **Update plots with v0.8 lattice**
 - BIB plots (distributions) – Figs. 1, 2 → Daniele ✓
 - BIB plots (occupancies) 5, 6, 7, 8 → Fede (?)
 - ECAL thresholds – Fig. 9 → Fede/Rose ✓
 - Track performance – Figs. 10, 11, 12, 13, 14, 15 → Chicago ✓
 - Photon performance – Figs. 17, 18, 19 → Rose ✓
 - Neutral hadron performance – Figs. 21, 22, 23 (with new fit params), 24 → Elise & Rose ✓
- **Timeline**
 - For plots: track/photon/neutron plots ASAP, by end of February if possible to include as input to ESPPU
 - For publication: O(March/April)

US Early Career Input to ESPPU

- Email circulated yesterday to US CMS community → has US ATLAS gotten this?
- All EC (especially students!) should fill out this poll & attend the discussion!
- Deadline March 10th:
<https://forms.gle/3CasYEE7SbyqWxE6A>
- Discussion March 26th 1 pm ET:
<https://indico.cern.ch/event/1514846/>

Dear Early Career Community,

With the process to update the European Particle Physics Strategy underway, plans for the next collider at CERN are being made. These recommendations will have a significant impact on the careers of US-based high energy physics researchers. **We therefore are soliciting input to draft a white paper representing preferences of the early career collider physics community in the US to submit for the ESG's consideration.**

The overall US prioritization process concluded recently with the latest [P5 report](#), however this leaves room for many different collider options at CERN. We therefore intend this whitepaper as a complementary document capturing the preferences of the early career community for different collider options that fit within the vision of the P5 report.

All early career collider physics researchers (graduate students, postdoctoral researchers, untenured faculty, and non-tenure track researchers < 40 years of age) associated with United States institutes are welcome to contribute.

Please fill the following survey by 10th March, 17h US Central time:

<https://forms.gle/3CasYEE7SbyqWxE6A>

Within the form please indicate if you would like to be involved in the drafting of the document.

The document and the results of the survey will be presented at the "Discussion of US Early Career Collider Physics Input to the European Strategy Update" meeting, **Wednesday, March 26th at 12h US Central time**, and in person at Fermilab WH11NE Sunrise:

<https://indico.cern.ch/event/1514846/>

This is a grass-roots effort, so feedback and engagement are appreciated!

Other / Misc

- Streamlining workflow – how can we make it easier to run the MAIA workflow?
 - Easily access geometry files!!
- Galileo Galilei Institute (Florence): Exploring the energy frontier with muon beams
 - Deadline tomorrow!!
 - Jun 30, 2025 - Aug 01, 2025
 - <https://www.ggi.infn.it/showevent.pl?id=507>