



Introduction and News

Accelerator Frontier: Derun Li (LBNL), and Diktys Stratakis (Fermilab)

Energy Frontier: Kevin Black (Univ. of Wisconsin-Madison), and Sergo Jindariani (Fermilab)

Theory Frontier: Patrick Meade (Stony Brook Univ.), and Fabio Maltoni (Louvain U., CP3)

Recent Events

- ♦ Energy Frontier hosted a very successful Restart workshop ([link](#))
 - ✓ Excellent presentations and many discussions
 - ✓ Including a talk on Fermilab hosted options, including Muon Collider
 - ✓ All sessions and discussions recorded and posted in the Indico
- ♦ Snowmass day coming up on September 24th ([link](#))
 - ✓ Half day with a plenary featuring short talks from all frontiers + parallels
 - ✓ Early Career speakers to highlight their own perspective and results
- ♦ IMCC Third Community Meeting coming up (October 8-10th)
 - ✓ Will include a session dedicated to physics and detectors
- ♦ A lot of recent discussions dedicated to the Muon Collider. Please participate!

More Events


- ♦ NuFact 21 had strong Muon Collider related topics ([link](#))
 - ✓ Excellent presentations (8 in total)
 - ✓ Open discussion session about Muon Collider
 - ✓ All sessions and discussions recorded and posted in the Indico
- ♦ Reminder: ICOOL 21 is coming up ([link](#))
 - ✓ 1-5 November 2021
 - ✓ Registration deadline October 25, 2021

Energy/Luminosity for Summary Reports

- ♦ At the EF workshop: request to provide a set of few Energy+Luminosity points for the summary plots and tables
- ♦ Propose to use:
 1. Higgs pole 125 GeV: 0.025 ab⁻¹
 2. 3 TeV: 1 ab⁻¹
 3. 10 TeV: 10 ab⁻¹
 4. Combination of (1)+(2)+(3) and (1)+(2)
 5. 30 TeV : 10 ab⁻¹ (cons.) – 90 ab⁻¹ (optim.)
- ♦ Studies of other points (e.g. 1.5 TeV, 6 TeV, 14 TeV) are certainly welcome but may not make it to the summary tables/plots
- ♦ Please provide feedback on this proposal. And, as always, contact us with any questions, suggestions, or concerns

Today

- ✦ Would like to kick off a set of few meetings dedicated to synergies with other HEP areas.
- ✦ Today: Muon-Ion collider and Neutrinos
- ✦ More to come in the upcoming months

10:00 AM	→ 10:10 AM	News	🕒 10m	✎
10:10 AM	→ 10:30 AM	Muon-Ion Collider ¶ Speakers: Darin Acosta (University of Florida) , Wei Li (Rice University)	🕒 20m	✎
10:30 AM	→ 10:55 AM	Discussion	🕒 25m	✎
10:55 AM	→ 11:15 AM	Physics with High Energy Neutrinos Speaker: Andre de Gouvea (Northwestern University)	🕒 20m	✎
11:15 AM	→ 11:20 AM	Discussion	🕒 5m	✎
11:20 AM	→ 11:40 AM	Neutrino Factories Speaker: Patrick Huber (Virginia Tech)  talk2.pdf	🕒 20m	✎
11:45 AM	→ 12:10 PM	Discussion	🕒 25m	✎