



Muon Collider Forum 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)

Upcoming Events

◆ US Muon Collider workshop, Jan 26-27th, 2022

- Dedicated to accelerator design, technology, and synergies
- Help to outline the US plan with respect to this machine and synergies with international efforts
- Summary of the workshop at the next Forum

◆ IMCC Muon Collider Workshop, Feb 14-17, 2022

- Indico: <https://indico.cern.ch/event/1108523/>
- Assess progress following the review of the European Accelerator R&D Roadmap and the ECFA detector R&D Roadmap
- Discuss the proposals for EU co-funded projects and the white papers for the Snowmass process.

◆ Snowmass Agora dedicated to Muon Colliders, Feb 16th, 2022

- Will circulate Indico as soon as it is available
- Short presentations followed by Q&A (submitted in advance and from the audience)
- Informal discussion afterwards

Snowmass White Papers

- ◆ Reminder: the deadline for contributed papers is **March 15th**
- ◆ If you are doing a study and plan to submit a White Paper, please let us know, we would like to keep track of all the muon collider related submissions
- ◆ Identify synergistic topics and facilitate collaboration. Keeping track of submissions will help us to write the Muon Collider Forum summary report after the March 15th deadline
- ◆ As a reminder, a lot of information is on our webpage:
https://snowmass21.org/energy/muon_forum

Today's Agenda

Snowmass Muon Collider Forum



Tuesday Jan 11, 2022, 10:00 AM → 12:10 PM US/Central

Description Join Zoom Meeting [LINK](#)

10:00 AM → 10:10 AM **News**

🕒 10m



Speakers: Derun Li (LBNL), Diktys Stratakis (Fermi National Accelerator Laboratory), Fabio Maltoni (Universite' catholique de Louvain), Kevin Black, Patrick Meade (Stony Brook University), Sergo Jindariani (FNAL)

10:10 AM → 10:35 AM **Current detector configuration and performance**

🕒 25m



Speaker: Karol Krizka (Lawrence Berkeley National Laboratory)

10:35 AM → 10:55 AM **Future Tracker R&D Directions**

🕒 20m



Speaker: Artur Apresyan (Fermilab)

10:55 AM → 11:15 AM **Future Calorimetry R&D Directions**

🕒 20m



Speaker: Christopher Tully (Princeton University)