

Snowmass Agora #3: Muon Colliders

February 16th, 2022

Welcome to the 3rd Future Colliders Agora

- Organized jointly by the Snowmass Accelerator and Energy Frontiers and Fermilab Future Colliders Group (<https://indico.fnal.gov/event/53010/>)
- Accelerator Agora Events (~ once a month, 3-5 pm Wednesdays)

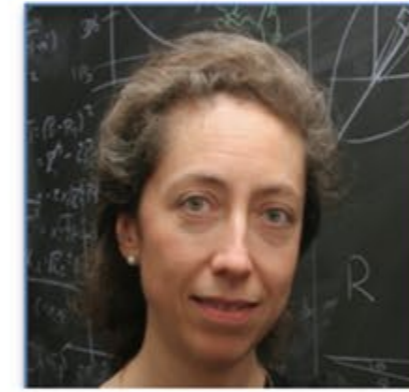
Today →	• Linear e ⁺ e ⁻ Colliders	Dec 15, 2021
	• Circular e ⁺ e ⁻ Colliders	Jan 19, 2022
	• Muon Colliders	Feb 16, 2022
	• pp and ep Colliders	Mar 16, 2022
	• Advanced Colliders	Apr 13, 2022

Program Committee

Energy Frontier Conveners



Meenakshi Narain
(Brown U)



Laura Reina
(FSU)



Alessandro Tricoli
(BNL)

Accelerator Frontier Conveners



Steve Gourlay (LBNL)



Tor Raubenheimer (SLAC)



Vladimir Shiltsev (FNAL)

Fermilab Future Colliders Initiative



Pushpa Bhat



Joel Butler

Moderators of today's Agora



Jim Strait (AF, Fermilab)



Sergo Jindariani (EF, Fermilab)

You will have an opportunity to ask questions during the session.

Today's Agenda

< Wed 16/02		>				
		Print	PDF	Full screen	Detailed view	Filter
15:00	Introduction					<i>James Strait, Sergo Jindariani</i> 15:00 - 15:05
	Physics at the Muon Colliders					<i>Nathaniel Craig</i> 15:05 - 15:25
	High Energy IMCC					<i>Daniel Schulte</i> 15:25 - 15:40
	Fermilab: Higgs Factory + Site Filler					<i>Diktys Stratakis</i> 15:40 - 15:55
16:00	Beam background and detector considerations					<i>Donatella Lucchesi</i> 15:55 - 16:10
	Q&A					16:10 - 17:00
17:00	Informal Discussion					17:00 - 17:30

Speakers



Nathaniel Craig (UCSB)
Lead author of the Muon Smasher's Guide



Daniel Schulte (CERN)
IMCC Study Leader



Diktys Stratakis (Fermilab)
Member of MAP and IMCC, muon cooling expert



Donatella Lucchesi (Padova)
Leader of the IMCC detector and physics group

Code of Conduct for this meeting:

Please be advised that you are required to comply with the APS code of Conduct for meetings, DPF Core Principles and Community Guidelines and Fermilab Statement of Community Standards.

Linked to <https://indico.fnal.gov/event/53010/>

Recording of the session:

Please note that we are recording the whole session. The video recording will be made available on the web site later.

Q&A session:

Please stay muted until you raise your hand and are called upon.

The moderators will alternate between real time and submitted questions.