

# Snowmass 2022

## EF09 - BSM

More general explorations

Tulika Bose, Zhen Liu, Simone Pagan Griso

[https://snowmass21.org/energy/bsm\\_general](https://snowmass21.org/energy/bsm_general)



**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON



Sep 17<sup>th</sup> 2021



# Snowmass Day

- Friday, September 24th: Half-day Zoom meeting (starting at 11:00 Central) to get all frontiers and participants back together on the same page
- Indico agenda: <https://indico.fnal.gov/event/50538/overview>
  - Please register!
- Plenary session in the morning covering all frontiers
- Parallel sessions in the afternoon
  - EF session covers talks from all EF topical groups with emphasis on Early Career perspectives
  - Matthew Citron will give talk on behalf of EF09

# MC Taskforce:






- MC taskforce [page](#) contains information on:
  - samples from collaborations/study-groups publicly accessible
  - simulation frameworks for various collider options
  - Information on Delphes cards available
  - See [John Stupak's talk](#) at the recently concluded EF workshop
- **Common SM backgrounds** will be centrally simulated (large-stat)
  - [Fill request form](#) to request samples  
(please let us also know about it)
- MC Taskforce **looking for volunteers** at all experience levels **to join the production team**: fill [this form](#)

# EF09 Re-start Survey

EF09 Survey: [link to survey](#)

- Requests input regarding recent activities (studies, papers etc.) relevant for EF09
  - Please let us know if you have new results and/or would like to present your studies at upcoming meetings

# Agenda and next EF09 meetings

<b>12:00 PM</b>	→ 12:10 PM	<b>News</b>	🕒 10m	
		<b>Speakers:</b> Simone Pagan Griso (Lawrence Berkeley National Laboratory) , Tulika Bose (University of Wisconsin-Madison) , Zhen Liu (University of Minnesota)		
<b>12:10 PM</b>	→ 12:25 PM	<b>MATHUSLA: status and goals</b>	🕒 15m	
		<b>Speaker:</b> John Paul Chou (Rutgers University)		
<b>12:30 PM</b>	→ 12:45 PM	<b>Tumblers</b>	🕒 15m	
		<b>Speaker:</b> Doojin Kim (University of Arizona)		
<b>12:50 PM</b>	→ 1:05 PM	<b>Update on milli-charged particle searches</b>	🕒 15m	
		<b>Speaker:</b> Francesco Setti		
<b>1:10 PM</b>	→ 1:30 PM	<b>Summary Plots: Discussion</b>	🕒 20m	

- For the next meetings, we would like to dedicate each meeting to a particular topic
  - Today: Long-lived particles
  - Next (Oct 1st): Heavy bosons
- Contact us at any time if you have updates you'd like to share
  - Work-in-progress is perfectly fine, no need to wait for the final results!
  - Allows the community to give early feedback
  - Ensures your work is best used in the final report