

Snowmass 2021

EF09 - BSM

More general explorations

Tulika Bose, Zhen Liu, Simone Pagan Griso

https://snowmass21.org/energy/bsm_general



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MC Taskforce updates

- You should have received an email requesting to fill in information on possible common backgrounds that can be centrally simulated (large-stat)
 - <https://docs.google.com/forms/d/e/1FAIpQLSfBDI8fy08uli35gLPFYAL2vGRF9YtkApm5i27Z6MCS9FDNXg/viewform?pli=1>
 - This is very important even if you only have a rough idea of what could be useful for you, since it allows us to plan for resources needed to generate and store such samples
- See also the MC taskforce twiki page ([link](#)) with information on existing samples from collaborations publicly accessible
- Started also to assemble information on existing simulation frameworks for various collider options; you can see the available info so far [here](#)

Expression of Interest

- We'll continue today, as done in the last meeting, to feature a few short presentations on Expression of Interests that were submitted
- We also have compiled a public list that everyone can see and can be accessed from our [twiki page](#):

SnowMass2021

- WELCOME PAGE
- ANNOUNCEMENTS
- SNOWMASS CALENDAR
- ETHICS GUIDELINES
- Organization
 - SNOWMASS ADVISORY GROUP
 - SNOWMASS STEERING GROUP
 - FRONTIER CONVENERS
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EF09 - BSM: More general explorations

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 - Group Topics
 - Meetings
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Conveners	Tulika Bose, Zhen Liu, Simone Pagan Griso (more contact info)
Mailing-list	SNOWMASS-EF-09-BSM_GENERIC@FNAL.GOV (instructions)
Slack channel	ef09-bsm_generic (instructions)
Next Event	June 12th 12pm (noon) ET, General Long-Lived Particles
Expression of Interests (EOI) form	https://forms.gle/1freqMHFTJAobga86
Current EOI	List of Active Proposals agreed to share, comments welcome

Upcoming EF09 meetings

- **MEETING TIME CHANGE:** starting from the next meeting we'll start at **11am US Eastern time** (one hour earlier)
 - Ensures we do not overlap with EF02 (BSM Higgs)
 - Allow us up to 2 hours slot, when needed (as it has been the case so far..)
- **June 26th**
 - Dedicated to New Fermions but also featuring general exploration methods
 - Generally, we'll try to have some focus topic for most of our meetings but we welcome volunteers on ongoing studies and ideas on any EF09 topic to report in the meetings
- **Joint meeting with EF10/RF6/AF5 on light long-lived particles**
 - Generally speaking, light is intended as roughly $m < m(B)$
 - Including hidden-sector models
 - Will also cover dedicated “external experiments” dedicated to LLP searches in this regime
 - Date TBA soon (likely in the first half of July)

Upcoming events

- Joint EF-AF discussion on energy frontier accelerators
 - Two 3-hours sessions: June 24th, July 1st; both 10:00AM US Eastern time
 - Will go over the machine parameters that will become baseline for Snowmass studies
- General Energy-Frontier workshop: July 20 - July 22
 - Thanks again for the feedback you gave us last time on dates/format
 - The 3-day format was highly preferred -> chosen as format
 - Unfortunately the original dates proposed had to be changed due to a conflicting HEPAP meeting during the same dates

All EF meetings calendar can be see here:
https://snowmass21.org/energy_meetings