Snowmass 2021 EF09 - BSM

More general explorations

Tulika Bose, Zhen Liu, Simone Pagan Griso

https://snowmass21.org/energy/bsm_general



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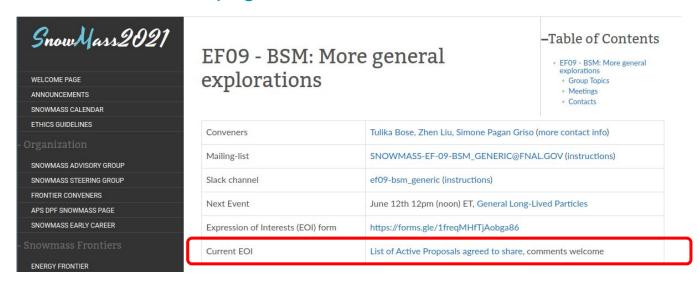


MC Taskforce updates

- 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 (<u>link</u>) 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 <u>twiki page</u>:



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