

EF02: LOI Review

Overview/Agenda

Patrick Meade and Isobel Ojalvo

Announcements

Attend the Snowmass Community Planning Meeting next week!

Monday 11am EDT - Thursday 4pm EDT

Sessions related to Higgs BSM:

Oct 6th:

Energy Frontier Introduction (+ EF General Sessions)

Higgs as a probe of new physics

Higgs Factories

BSM: direct and indirect searches

EFTs for new physics sensitivity studies

Intermediate lepton collision energies between 500 GeV and 3 TeV

Oct 7th:

Energy Frontier discovery machines

Announcements

Tutorials (in the past but slides posted)

Whizard for e+e- (organized by ILC, but fairly collider agnostic): Sept 28th at 12 PM EST (9 AM PST) [18:00 CERN]: <https://indico.fnal.gov/event/45413/>

FCC-ee/hh (day 3): Sept 29th at 10 AM EST (7 AM PST) [16:00 CERN] - <https://indico.cern.ch/event/949950/>

Muon collider: Sept 30th at 11 AM EST (8 AM PST) [17:00 CERN] - <https://indico.fnal.gov/event/45187/>

If you have ideas for an EF02 Topical meeting, do let us know!

Next EF02 meeting Oct 15th: **Continued LOI Review**

EF02: LOI Review!



Thursday Oct 1, 2020, 10:00 AM → 12:00 PM US/Eastern



Zoom Link

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|-----------------|------------|--|-------|--|
| 10:00 AM | → 10:10 AM | Overview + Agenda | 🕒 10m | |
| | | Speakers: Isabel Ojalvo (Princeton), Isobel Ojalvo (Princeton University (US)), Patrick Meade (Stony Brook), Patrick Meade (Stony Brook University) | | |
| 10:10 AM | → 10:20 AM | Prospects for probing light Yukawa at future hadron colliders via HH production | 🕒 10m | |
| | | Speakers: Lina Alasfar (Institut für Physik Humboldt-Universität zu Berlin), Ramona Gröber (Università di Padova and INFN, Sezione di Padova) | | |
| 10:25 AM | → 10:35 AM | Strange Quark as a probe for new physics in the Higgs Sector | 🕒 10m | |
| | | Speakers: Caterina Vernieri (SLAC), Valentina Cairo (SLAC National Accelerator Laboratory (US)) | | |
| 10:40 AM | → 10:50 AM | Probing extended scalar sectors in multi-Higgs channels : Prospects at Future proton-proton Colliders | 🕒 10m | |
| | | Speaker: Fabio Ravera | | |
| 10:55 AM | → 11:05 AM | The Higgs Inverse Problem in Concrete BSM Models | 🕒 10m | |
| | | Speaker: Sven Heinemeyer (IFT (CSIC, Madrid)) | | |
| 11:05 AM | → 11:15 AM | 2HDM under the Higgs and Electroweak Precision Measurements | 🕒 10m | |
| | | Speaker: Shuailong Li | | |
| 11:20 AM | → 11:30 AM | MSSM Under Higgs Factories | 🕒 10m | |
| | | Speaker: Wei Su (Uni of Adelaide) | | |
| 11:35 AM | → 11:45 AM | Precision Higgs Couplings in Neutral Naturalness Models | 🕒 10m | |
| | | Speaker: Haolin Li | | |
| 11:50 AM | → 12:00 PM | Exotic Higgs Decays in Type-II 2HDMs at Future 100 TeV Hadron Colliders | 🕒 10m | |
| | | Speaker: Huayang Song | | |