

EF03 update

Heavy flavor and top quark physics

Introduction

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White papers

- White paper submission to arXiv due on March 15, 2022
- More information including a template can be found here:
<https://snowmass21.org/submissions/start>
- A list of anticipated white papers for the Energy Frontier can be found here:
https://docs.google.com/spreadsheets/d/e/2PACX-1vSoMhW5FiyD_0DVN1zau9ttAI4LDdT3NFqDZppltO_5u-ULXWLRcMULYcPCbVFbQ5IHapLpz5T5dGcS/pubhtml?gid=1225382680&single=true
- Please let us know if your planned contribution is missing or if your entry is inaccurate

EF workshop March 28 - April 1

- <https://indico.fnal.gov/event/52465>
- Hybrid format
 - Doreen will be in-person at Brown, Reinhard by zoom
 - Please help the organizers plan by filling out the survey, especially if you intend to be there in person:
https://docs.google.com/forms/d/e/1FAIpQLSd6X3EZVYDYU9wUa0BDOKY_qggwO49bCzzBjXeeyy1vLys49g/viewform
- Mostly plenary sessions, including 2-hour plenary for top and heavy flavor on Wednesday, 30 March
 - Reports on white papers and discussion on what's missing
- Parallel session for EF03 on Wednesday morning
 - Focus on EF03 white paper content and editing

Snowmass schedule

- Preliminary reports by the topical groups: May 31
- Preliminary reports by the Frontiers: June 30, 2022
- Snowmass Community Summer Study (CSS):
July 17-26, 2022
 - In-person, at UW-Seattle
 - Information will be at <http://seattlesnowmass2021.net/>
- All final reports by TGs and Frontiers due:
September 30, 2022
- Snowmass Book and the on-line archive documents due:
October 31, 2022

EF03 report

- Report started on overleaf
- Looking for editors for chapters, sections, paragraphs, plots

EW Physics: Heavy Flavor and top quark physics

Conveners: R. Schwienhorst and D. Wackerroth

Authors

Abstract

This report summarizes the work of the Energy Frontier Topical Group on EW Physics: Heavy flavor and top quark physics of the 2021 Community Summer Study (Snowmass).

1.1 Introduction

Frontier report questions (not supposed to specifically address here but keep in mind):

1. GOALS: Planning for 2025-2035 with a view toward 2050 What are the important scientific questions in your frontier of particle physics during this period? What enabling tools, technologies, or facilities studied by your frontier are needed to address the pressing scientific questions in particle physics during this period? How can we ensure that the US particle physics community is vibrant, inclusive, diverse, and capable of addressing the scientific questions identified, and of fulfilling our obligations to society during this period?
2. CONTEXT: What can be expected from ongoing, approved, or planned scientific, technical, or community programs in addressing the issues identified by your frontier?
3. OPPORTUNITIES: What opportunities identified by your frontier are there for new scientific, technical, or community activities to create transformative change in particle physics, on what timescales could these occur, and what resources are required to realize these activities? What investments need to be made during 2025-2035 for the continuing scientific, technical, or community progress identified by your frontier in the decades beyond, on what timescales can these be implemented, and what resources would be required?