

Charged Lepton Flavor Violation Topical Group (RF5) Meeting

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**CSS Snowmass meeting
Seattle – July-August 2022**

PHYSICS OF RF5

Charged lepton flavor violation in wide range of reactions

- Muon sector
- Tau sector
- Heavy state decays
- Heavy quark decays

And the theory and facilities supporting these searches

THIS MEETING

Will discuss CLFV in the muon and tau sectors, focusing on future proposals and next generation facilities discussed in the various white papers submitted to RF5

- CLFV theory overview (J. Heeck)
- A new muon program at FNAL (R. Bernstein)
- Mu2e-II (Y. oksuzian)
- Muonium-antimuonium experiments (D. Kaplan)
- CLFV in tau decays (S. Banerjee)

Many other interesting white papers submitted to the topical group – it is unfortunate we don't have enough time to review them all

We have a joint session on **7/24** to discuss the complementarity between CLFV, neutrino physics, g-2 and LFU. **Mark your calendars!**

TOPICAL GROUP REPORT

Thank you to all those who already read the document and provided feedback

The current version of the CLFV topical group report is available here:

<https://www.overleaf.com/read/qmvzftvrhhjc>

Include (almost all) comments and suggestions received so far

We are still editing a few section in the document, but the report should be finalized in 1-2 weeks, so there is a limited window to send us additional comments.