

RF3: Fundamental Physics in Small Experiments

Rare and Precision Frontier Topical Convener Meeting

4 November 2021

Tom Blum & Peter Winter

White papers

- EDMs
 - AMO (invited Dave DeMille, Nick Hutzler, Blum)
 - Storage ring, neutron (Bill Morse, Winter)
 - Theory (Vincenzo Cirigliano, Bhattacharya, Blum)
 - Meet in 2 weeks to discuss scope/structure
- Proton EDM Storage Ring
 - Bill Morse, Y. Semertzidis
- Violation of Fundamental Symmetries, gravity (C, P, CP, T, CPT)
 - Sending out invitations soon
- G-2 Theory
 - MGm2TI will submit WP (invite LOI authors not covered)
- BSM
 - Move LOIs to other TGs or EDM WP
- Muon Facility/muonium gravity exp
 - Combine with other TGs (CLFV,...?)
- Atomic clocks
 - May be better suited to DM/axion search WP