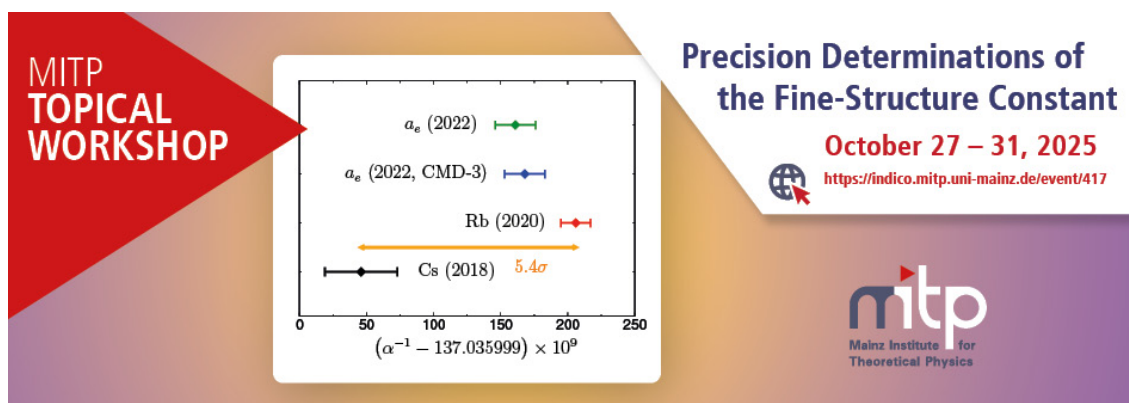


Session Program

27–31 Oct 2025



Precision Determinations of the Fine-structure Constant

Afternoon Sessions

Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430
Staudingerweg 9 / 2nd floor, 55128 Mainz

Monday 27 October

14:00

Afternoon Sessions: New Generation of Electron/Positron Magnetic Moment Measurements

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Prof. Gerald Gabrielse

15:00

15:30

Afternoon Sessions: Measuring the fine-structure constant by large-momentum transfer recoil measurements

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Prof. Holger Mueller

16:30

Tuesday 28 October

14:00

Afternoon Sessions: QED and CPT tests with bound electrons and positrons in the LSym and Alphatrap Penning traps

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Prof. Sven Sturm

15:00

15:30

Afternoon Sessions: Precision measurements of bound electron and nucleon g-factors at μTE

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Dr Andreas Mooser

16:30

16:30

Afternoon Sessions: Systematic effects in the measurement of the Cesium recoil frequency

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Jack Roth

17:15

Wednesday 29 October

14:00

Afternoon Sessions: TBD

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Dr Savely Karshenboim

15:00

15:30

Afternoon Sessions: Probing QED and nuclear physics with heavy muonic atoms

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Dr Natalia S. Oreshkina

16:30

Thursday 30 October

14:00

Afternoon Sessions: Updates to the KNTW dispersive HVP analysis and implications for the evaluation of a_e^{HVP} and $\Delta\alpha_{\text{had}}^{(5)}$

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Prof. Aidan Wright

15:00

15:30

Afternoon Sessions: The HVP contribution to the lepton anomalous magnetic moments from first principles

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Davide Giusti

16:15

16:15

Afternoon Sessions: Inclusive measurement of R

Session |

Location: Mainz Institute for Theoretical Physics, Johannes Gutenberg University, 02.430, Staudingerweg 9 / 2nd floor, 55128 Mainz

|

Convener: Dr Weiping Wang

17:00