Session Program

Feb 19 – 23, 2018

The Evaluation of the Leading Hadronic Contribution to the Muon Anomalous Magnetic Moment

QED NNLO

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

Tue, February 20

9:00 AM

QED NNLO: Amplitudes & Master Integrals

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

09:00 – 09:45 **On the decomposition of 2-loop μe scattering via Adaptive Integrand Decomposition**

Speaker
William Torres Bobadilla

09:45 – 10:30 **Automated higher order corrections with GoSam**

Speaker
Nicolas Greiner

10:30 – 11:00 **Coffee break**

11:00 – 11:45 **Two-loop master integrals for μe-scattering in QED**

Speaker
Amedeo Primo

11:45 – 12:30 **Building bases for analytical fits of four-loop master integrals**

Speaker
Stefano Laporta

12:30 – 14:00 **Lunch**

2:00 PM

Wed, February 21

9:00 AM

QED NNLO: Amplitudes

Session |

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

09:00 – 09:45 **Calculations for muon decay at NNLO**

Speakers
Adrian Signer, Yannick Ulrich

09:45 – 10:15 **Expansion by regions in mu-e scattering**

Speaker
Alessandro Broggio

10:15 – 11:00 **Coffee break**

11:00 AM