

Session Program

23 February 2023 to 2 March 2023



Arbeitstreffen Kernphysik 2023

***Seminar - Low Energy Precision Physics of the
Standard Model and Beyond (CP Violation etc.)***

Schlechinger Bürgerhaus, Schulstraße 4
Tel. +49 (0) 8649 9889-19

Thursday 23 February

17:00

Seminar - Low Energy Precision Physics of the Standard Model and Beyond (CP Violation etc.)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4 | **Convener:** Andreas Wirzba

17:00-17:20 **'Rare beauty-hadron decays in the precision era'**

Speaker
Martino Borsato

17:20-17:40 **'Search for New Physics in rare charm decays'**

Speaker
Dominik Mitzel

17:40-18:00 **'Charmonium and its mixing with glueballs using improved Distillation'**

Speaker
Juan Andres Urrea Nino

18:00

Monday 27 February

17:00

Seminar - Low Energy Precision Physics of the Standard Model and Beyond (CP Violation etc.)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4 | **Convener:** Andreas Wirzba

17:00-17:20

'C and CP violation in light-meson decays'

Speaker

Hakan Akdag

17:20-17:40

'On the scalar πK form factor beyond the elastic region'

Speaker

Leon von Detten

17:40-18:00

'Inference of the sound speed and related properties of neutron stars'

Speaker

Len Brandes

18:00

Tuesday 28 February

18:30

Seminar - Low Energy Precision Physics of the Standard Model and Beyond (CP Violation etc.)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4 | **Convener:** Andreas Wirzba

18:30-19:00

'Testing fundamental symmetries and dark matter couplings in antiproton precision measurements'

Speaker

Christian Smorra

19:00-19:30

'The axion-nucleon interaction: Introduction and application'

Speaker

Thomas Vonk

19:30

Wednesday 1 March

17:00

Seminar - Low Energy Precision Physics of the Standard Model and Beyond (CP Violation etc.)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4 | **Convener:** Andreas Wirzba

17:00-17:30

'Two-particle scattering in the finite volume using plane wave basis'

Speaker

Lu Meng

17:30-18:00

'Scalar content of nucleon with the gradient flow using machine learning'

Speaker

Jangho Kim

18:00