

Session Program

23 February 2023 to 2 March 2023



Arbeitstreffen Kernphysik 2023

Seminar - Neutrino (Katrín)

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

Friday 24 February

18:30

Seminar - Neutrino (Katrin)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4, Tel. +49 (0) 8649 9889-19 | **Convener:** Loredana Gastaldo

18:30–19:00

“Neutrino Mass via Cyclotron Radiation Emission Spectroscopy, with the Project 8 Experiment”

Speaker

Larisa Thorne

19:00–19:30

“Neutrino mass determination with Ho-163: The ECHo experiment”

Speaker

Arnulf Barth

19:30

Saturday 25 February

17:00

Seminar - Neutrino (Katrin)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4, Tel. +49 (0) 8649 9889-19 | **Convener:** Loredana Gastaldo

17:00-17:30

"Investigating the neutrino mass via neutrinoless double beta decays and the example of the COBRA experiment"

Speaker

Juliane Volkmer

17:30-18:00

"Background at the KATRIN experiment and novel mitigation methods"

Speaker

Christian Weinheimer

18:00

Monday 27 February

18:30

Seminar - Neutrino (Katrin)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4, Tel. +49 (0) 8649 9889-19 | **Convener:** Loredana Gastaldo

18:30–19:00

"KATRIN neutrino mass analysis"

Speaker

Leonard Köllenberger

19:00–19:28

"Direct high-precision determination of the electron capture Q-value in Ho-163"

Speaker

Christoph Schweiger

19:30

Wednesday 1 March

10:45

Seminar - Neutrino (Katrin)

Session | **Location:** Schlechinger Bürgerhaus, Schulstraße 4, Tel. +49 (0) 8649 9889-19 | **Convener:** Loredana Gastaldo

10:45–11:05

“Ho-163 Implantation in MMC detector arrays”

Speaker

Nina Kneip

11:05–11:33

“Sterile neutrino dark matter searches with the KATRIN experiment”

Speaker

Frank Edzards

11:33–12:00

“KATRIN beyond the neutrino mass measurements”

Speaker

Alexey Lokhov

12:00