

## **Session Program**

**21-28 Feb 2019**



## **Arbeitstreffen Kernphysik 2019**

### ***Understanding Element Production in the Universe - Seminar***

Touristic Information Center "Haus des Gastes" in Schleching, Schulstraße 4  
Tel. 08649-220

## Thursday 21 February

18:30

### Understanding Element Production in the Universe - Seminar: 1

**Session** | **Location:** Touristic Information Center "Haus des Gastes" in Schleching, Schulstraße 4, Tel. 08649-220

18:30–19:00

**Pulse shape discrimination with  $^3\text{He}$  proportional counters for neutron flux measurements in low background environments**

**Speaker**

Thomas Hensel

19:00–19:30

**Influence of the  $d(p,\gamma)^3\text{He}$  rate, effective DOFs and Newton's constant variations on BBN abundance predictions**

**Speaker**

Conrad Möckel

19:30

## Friday 22 February

17:00

### Understanding Element Production in the Universe - Seminar

**Session** | **Location:** Touristic Information Center "Haus des Gastes" in Schleching, Schulstraße 4, Tel. 08649-220

17:00–17:30

#### Electromagnetic properties of one-neutron and one-proton halo nuclei in Halo EFT

**Speaker**

Wael Elkamhawy

17:30–18:00

#### Radiative charged-particle reaction studies for the nucleosynthesis of heavy isotopes

**Speaker**

Philipp Scholz

18:00

## Tuesday 26 February

17:00

### Understanding Element Production in the Universe - Seminar

**Session** | **Location:** Touristic Information Center "Haus des Gastes" in Schleching, Schulstraße 4, Tel. 08649-220

17:00–17:30

#### High-precision mass measurements for nuclear astrophysics studies using ISOLTRAP/CERN

**Speaker**

Mr Jonas Karthein

17:30–18:00

#### A technological step towards next generation transfer experiments at HIE-ISOLDE

**Speaker**

Christian Berner

18:00

## Wednesday 27 February

18:30

### Understanding Element Production in the Universe - Seminar

**Session** | **Location:** Touristic Information Center "Haus des Gastes" in Schleching, Schulstraße 4, Tel. 08649-220

18:30–19:00

**ICP-MS measurements of rare earth elements used as indicators for paleoenvironmental redox conditions and mass concentration of terrestrial supernova actinides**

**Speaker**

Iuliana Stanciu

19:00–19:30

**Study of shape evolution in the A-190 region and the advanced gamma tracking array**

**Speaker**

Philipp John

19:30