

## **Session Program**

**2-9 Mar 2017**



## **Arbeitstreffen Kernphysik 2017**

### ***Seminar***

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

# Thursday 2 March

17:00

## Seminar: The Renormalization group and Application - Holger Gies (1)

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

17:00-17:35 **Baryon number fluctuations in a finite Volume**

**Speaker**

Bernd-Jochen Schaefer

17:35-18:00 **A Fierz-complete NJL model study: fixed points and phase structure**

**Speaker**

Marc Leonhardt

18:00

18:30

## Seminar: New developments in accelerator physics - Mei Bai (1)

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

18:30-19:00 **Laser plasma acceleration**

**Speaker**

Josefine Metzkes

19:00-19:30 **Laser plasma acceleration -II**

**Speaker**

Thomas Kluge

19:30

## Friday 3 March

17:00

### Seminar: New developments in accelerator physics - Kurt Aulenbacher (1)

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

17:00-17:30 **ERL-DALINAC**

**Speaker**

Michaela Arnold

17:30-18:00 **MESA ERL-Kryomodule**

**Speaker**

Timo Stengler

18:00

18:30

### Seminar: The Renormalization group and Application - Holger Gies (2)

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

18:30-19:05 **Correlation functions of two-flavour Landau-gauge QCD**

**Speaker**

Mario Mitter

19:05-19:30

#### **The extended linear sigma model within the functional renormalization group approach**

**Speaker**

Jürgen Eser

19:30

## Saturday 4 March

17:00

### **Seminar: Supernovae, Neutron Star mergers and the Ignition of Densed Matter - Andreas Bauswein (1)**

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

17:00-18:00

### **The new Felsenkeller 5 MV underground ion accelerator and cross section measurements relevant to supernova nucleosynthesis**

**Speaker**

Daniel Bemmerer

18:00

# Monday 6 March

17:00

## Seminar: The Renormalization group and Application - Lorenz von Smekal (1)

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

17:00-17:35

### Wilsonian renormalization group versus subtractive renormalization in EFT for NN scattering

**Speaker**

Jambul Gegelia

17:35-18:00

### Asymptotic freedom in non-Abelian Higgs models

**Speaker**

Luca Zambelli

18:00

18:30

## Seminar: New developments in accelerator physics - Kurt Aulenbacher (2)

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

18:30-19:00

### superconducting CH-Cavity&demonstrator

**Speaker**

Florian Dziuba

19:00-19:30

### Modern RF structures for ion acceleration

**Speaker**

Hendrik Haehnel

19:30

## Tuesday 7 March

10:45

### Seminar: The Renormalization group and Application - Lorenz von Smekal (2)

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

10:45-11:10

#### Vector-meson spectral functions from the functional renormalization group

**Speaker**

Christopher Jung

11:10-11:35

#### Nuclear matter beyond mean-field

**Speaker**

Johannes Weyrich

11:35-12:00

#### Equation of state and pair-correlations in one-dimensional Fermi systems

**Speaker**

Lukas Rammelmüller

12:00

17:00

### Seminar: Supernovae, Neutron Star mergers and the Ignition of Densed Matter - Gabriel Martinez Pinedo (1)

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

17:00-18:00

#### Nuclear Equation of State and Neutron Stars: a Renormalization Group Approach

**Speaker**

Wolfram Weise

18:00

## Wednesday 8 March

10:45

### Seminar: Supernovae, Neutron Star mergers and the Ignition of Densed Matter - Gabriel Martinez Pinedo (2)

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

10:45-11:10

#### A New Search for r-process supernova-actinides on Earth

**Speaker**

Shawn Bishop

11:10-11:35

#### Nuclear Equation of State constraints from E1 strength measurements

**Speaker**

Dominic Rossi

11:35-12:00

#### From outer space to deep inside: exploring neutron skins

**Speaker**

Michaela Thiel

12:00

17:00

### Seminar: New developments in accelerator physics - Mai Bei (2)

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

17:00-17:30

#### space charge compensation

**Speaker**

Will Stem

17:30-18:00

#### Space charge

**Speaker**

Chao Li

18:00

18:30

### Seminar: Supernovae, Neutron Star mergers and the Ignition of Densed Matter - Andreas Bauswein (2)

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

18:30-19:00

#### The nu process in supernova explosions of massive stars

**Speaker**

Andre Sieverding

19:00-19:30

#### The impact of fission on r-process nucleosynthesis in neutron star mergers

**Speaker**

Samuel Giuliani

19:30