

**Session Program**

1-3 Oct 2018

**SFB 1044-Workshop: Electromagnetic observables for  
low-energy nuclear physics**

***Chair***

HIM Building, Ground floor conference room (00-133)  
Staudinger Weg 18

# Monday 1 October

09:30

## Chair: Sonja Bacca (Mainz)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

09:30–10:30 **MAMI and the future MESA facilities**

Speaker

Achim Denig

10:30

11:00

## Chair: Sonja Bacca (Mainz)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

11:00–11:45 **Results for few-body electromagnetic processes**

Speaker

Giuseppina Orlandini

11:45–12:30 **Two-body currents in electroweak processes**

Speaker

Evgeny Epelbaum

12:30

14:00

## Chair: Winfried Leidemann (Trento)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

14:00–14:45 **Chiral EFT for dark matter direct detection**

Speaker

Achim Schwenk

14:45–15:30 **Few-body results from chiral EFT**

Speaker

Laura E. Marcucci

16:15

15:30–16:15 **Discussion session (with coffee)**

## Tuesday 2 October

09:00

### Chair: Nir Barnea (Jerusalem)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

09:00–09:45 **Many-body theory electromagnetic transitions**

**Speaker**  
Robert Roth

09:45–10:30 **Lepton and electron scattering off nuclei with SCGF**

**Speaker**  
Carlo Barbieri

10:30

11:00

### Chair: Nir Barnea (Jerusalem)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

11:00–11:45 **Theory for neutrino scattering**

**Speaker**  
Jacek Golak

11:45–12:30 **Coupled cluster computations with two-body currents**

**Speaker**  
Gaute Hagen

12:30

14:00

### Chair: Concettina Sfienti (Mainz)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

14:00–14:45 **Quasi-elastic electron scattering experiments**

**Speaker**  
Eli Piazzetsky

14:45–15:30 **Few-body experiments**

**Speaker**  
Elzbieta Stephan

16:15

15:30–16:15 **Discussion session (with coffee)**

## Wednesday 3 October

09:30

### Chair: Marc Vanderhaeghen (Mainz)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

09:30–10:15 **Neutrino experiments and nuclear physics needs**

Speaker  
Hiro Tanaka

10:15–11:00 **The spectral function formalism for lepton-nucleus cross sections**

Speaker  
Omar Benhar

11:00

11:30

### Chair: Marc Vanderhaeghen (Mainz)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

11:30–12:15 **Theoretical models for electron and neutrino scattering off nuclei**

Speaker  
Carlotta Giusti

12:15

14:00

### Chair: Zein-Eddine Meziani (ANL)

Session | Location: HIM Building, Ground floor conference room (00-133), Staudinger Weg 18

14:00–14:45 **Electron scattering at MAMI to understand neutrino physics**

Speaker  
Miha Mihovilovic

14:45–15:30 **Electron scattering to constrain neutrino interactions**

Speaker  
Or Hen

16:15

15:30–16:15 **Discussion session (with coffee)**