

# Cluster PhD Meeting 29-30 September 2016

[www.universe-cluster.de/clusterphd2016](http://www.universe-cluster.de/clusterphd2016)

Venue: MPI für extraterrestrische Physik (MPE)  
Neuer Seminarraum (UG)  
Gießenbachstraße 1  
85748 Garching

## Program on Thursday, 29 September

9:00 **Welcome**

9:10 **Introduce yourself**

9:40 **Overview Excellence Cluster Universe**  
Andreas Müller (TUM)

9:55 **Entanglement and topological Interfaces (RA-A)**  
Daniel Jaud (ASC/LMU)

10:10 **Background studies of rare decays at Belle II (RA-B)**  
James Kahn (LMU)

10:25 **Electroweak Precision calculations in two Higgs doublet Models (RA-B)**  
Stephan Hossenfelder (MPP)

10:40 Coffee break

### HIGHLIGHT

11:00 **From Physics to Science Journalism – A Writer's Perspective**  
Marlene Weiß (Süddeutsche Zeitung)

12:00 Lunch break (IPP canteen)

13:40 **Global Analyses of Composite Higgs Models (RA-C)**  
Christoph Niehoff (TUM)

13:55 **Measurement of low-mass dielectrons with ALICE Experiment at the LHC (RA-D)**  
Ivan Vorobyev (TUM)

14:10 **Leptogenesis from Oscillations of Heavy Neutrinos with Large Mixing Angles (RA-D)**  
Dario Gueter (TUM, MPP)

14:25 **The luminous – dark matter interplay with halo lenses in rescaled cosmological simulations (RA-E)**  
Malin Renneby (LMU)

14:40 Coffee break

15:00 **A bias to CMB lensing measurements from the bispectrum of large-scale structure (RA-E)**  
Vanessa Böhm (MPA)

15:15 **The Origin of Giant Clumps in High-Z Galaxies (RA-F)**  
Manuel Behrendt (MPE)

15:30 **Formation of Nuclear Clusters (RA-F)**  
Nicolas Guillard (ESO)

15:45 **Tracer-bias around voids in Magneticum simulations (RA-E)**  
Giorgia Pollina (USM/LMU)

### HIGHLIGHT

16:00 **Breakthrough in Physics: Direct Measurements of Gravitational Waves**  
Ewald Müller (MPA)

17:15 **Discussion**

18:30 Social Dinner (**self-paid**) at Indian restaurant Moti Mahal,  
Schleißheimer Straße 4, 85748 Garching.  
Web: <http://www.motimahaleu>

## Program on Friday, 30 September

**Excursion to Wendelstein**, start 10:05 Munich main station, end 17:00 or 18:00  
(Bad weather option: German Museum, Munich, start 9:30)

### Contact to organizers

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