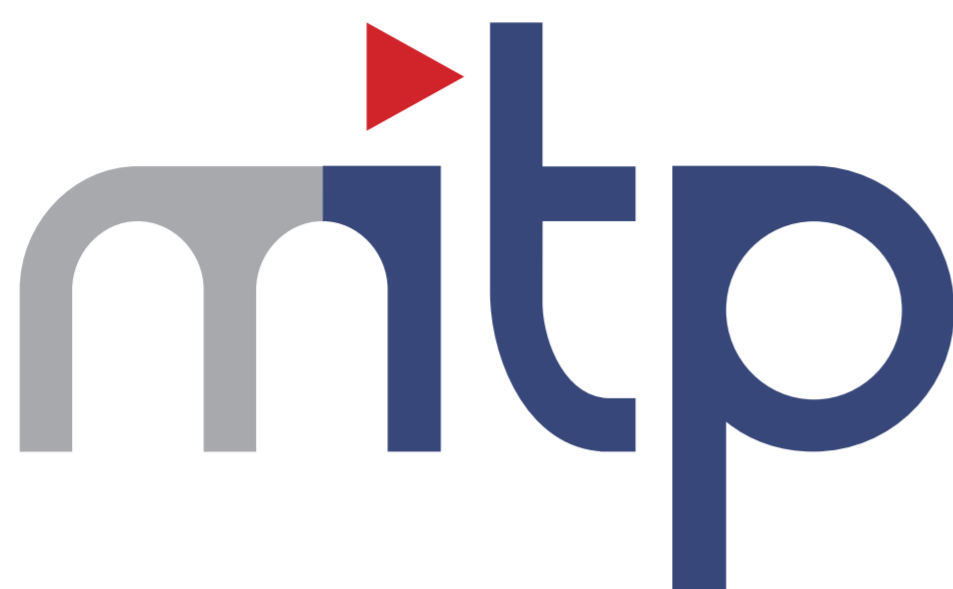


# ACTIVITIES 2016



## Mainz Institute for Theoretical Physics

### SCIENTIFIC PROGRAMS

#### NA62 Kaon Physics Handbook

Augusto Ceccucci **CERN**, Giancarlo D'Ambrosio **INFN Naples**  
Ulrich Haisch **Univ. Oxford**, Rainer Wanke **JGU**

**January 11-22, 2016**

#### Composite Dynamics: from Lattice to LHC Run II

Giacomo Cacciapaglia **IPN Lyon**  
Francesco Sannino **CP<sup>3</sup> Origins**, Thomas Flacke **KAIST**

**April 4-15, 2016**

#### Dark Matter in the Milky Way

Fabio Iocco **ICTP-SAIFR & IFT-UNESP, São Paulo**  
Arianna Di Cintio **DARK, Univ. Copenhagen**  
Miguel Pato **Univ. Stockholm**  
Christoph Weniger **Univ. Amsterdam**

**May 2-13, 2016**

#### Neutron Skins of Nuclei

Charles Horowitz **Indiana Univ.**  
Jorge Piekarewicz **Florida State Univ.**  
Concettina Sfienti, Marc Vanderhaeghen **JGU**

**May 17-27, 2016**

#### Exploring the Energy Ladder of the Universe

Pasquale Di Bari, Steve King **Univ. Southampton**  
Qaisar Shafi **Univ. Delaware**

**May 30-June 10, 2016**

### TOPICAL WORKSHOPS

#### Determination of the Fundamental Parameters in QCD

Irinel Caprini **IFIN-HH Bucharest**  
Konstantyn Chetyrkin **INR Moskau**  
Cesareo A. Dominguez **Univ. Cape Town**  
Antonio Pich **Univ. Valencia**, Hubert Spiesberger **JGU**

**March 7-12, 2016**

#### Flavor and Electroweak Symmetry Breaking

Giulia Ricciardi **Univ. Naples Federico II**  
Tobias Hurth, Matthias Neubert **JGU**

**June 13-24, 2016**, Capri, Italy

#### Understanding the First Results from LHC Run II

Tilman Plehn **Univ. Heidelberg**  
Graham Kribs **Univ. Oregon**  
Shufang Su **Univ. Arizona**  
Tim Tait **UC Irvine**

**June 27-July 22, 2016**

#### Effective Field Theories as Discovery Tools

Wolfgang Altmannshofer **Perimeter Inst.**  
Yang Bai **Univ. Wisconsin Madison**  
Monika Blanke **KIT Karlsruhe**  
Felix Yu, Jose Zurita **JGU**

**August 22-September 9, 2016**

### MITP SUMMER SCHOOL

#### New Physics on Trial at LHC Run II

Joachim Brod, Maikel De Vries  
Anna Kaminska, Felix Yu  
Matthias Neubert **JGU**

**July 25-August 5, 2016**

#### Relativistic Hydrodynamics: Theory and Modern Applications

Francesco Becattini **Florence Univ.**  
Dmitri Kharzeev **Stony Brook Univ. & BNL**  
Dirk H. Rischke **Goethe Univ. Frankfurt**  
Dam Thanh Son **Univ. Chicago**  
Mikhail Stephanov **Univ. Illinois, Chicago**

**October 10-14, 2016**

For more details: <http://www.mitp.uni-mainz.de>



**Mainz Institute for Theoretical Physics**  
PRISMA Cluster of Excellence  
Johannes Gutenberg-Universität Mainz, Germany

