

THEORY  
SUMMER  
SCHOOL

# JOINT CHALLENGES FOR COSMOLOGY AND COLLIDERS

7-25 August 2017

**mitp**  
Mainz Institute for  
Theoretical Physics

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|---|---|
| <b>Evgeny Akhmedov</b>   MPI Heidelberg       | <b>Neutrino Phenomenology</b>                               |
| <b>Nima Arkani-Hamed</b>   IAS Princeton      | <b>Collider Physics from the Bottom Up</b>                  |
| <b>Matthias Bartelmann</b>   U. of Heidelberg | <b><math>\Lambda</math>CDM and Early Universe Cosmology</b> |
| <b>Brian Batell</b>   U. of Pittsburgh        | <b>DM and Neutrinos in the Lab</b>                          |
| <b>Marcela Carena</b>   FNAL/U. of Chicago    | <b>Baryogenesis</b>   |
| <b>Stefania Gori</b>   U. of Cincinnati       | <b>BSM phenomenology</b>                                    |
| <b>Christophe Grojean</b>   DESY              | <b>SM and the Higgs Mechanism</b>                           |
| <b>Andreas Ringwald</b>   DESY                | <b>Axion physics</b>  |
| <b>Tracy Slatyer</b>   MIT                    | <b>Astrophysical Probes of DM</b>                           |
| <b>LianTao Wang</b>   U. of Chicago           | <b>DM at the Collider</b>                                   |
| <b>Neal Weiner</b>   NYU                      | <b>DM Model Building</b>                                    |

**Organized by** Anna Kaminska | JGU Mainz ▶ Joachim Kopp | JGU Mainz  
Matthias Neubert | JGU Mainz ▶ Maikel de Vries | JGU Mainz ▶ Felix Yu | JGU Mainz

<http://summerschool.mitp.uni-mainz.de>  
theoryschool2017@uni-mainz.de ▶ [www.mitp.uni-mainz.de](http://www.mitp.uni-mainz.de)

JOHANNES GUTENBERG  
UNIVERSITÄT MAINZ

