



International Summer School **Rethinking Beyond the Standard Model**

July 20 - August 1, 2020

Topics

**Advanced Topics in QFT
Collider Physics and BSM
Topological Defects
Out of Equilibrium Phenomena
Dark Matter beyond WIMP**

**Advanced Topics in Cosmology
Amplitudes in QFT & Gravity
Semi-classical Solutions
Higgs and Cosmology
EFT for Phases of Matter**

Lecturers

D. BAUMANN (*U. of Amsterdam, NL*)
N. CRAIG (*U.C. Santa Barbara, USA*)
M. HINDMARSH (*U. Sussex & U. Helsinki*)
A. NICOLIS (*Columbia U., USA*)
M. SERONE (*SISSA, IT*)

J.J. BLANCO-PILLADO (*U. Basque Country, ES*)
R. GREGORY (*Durham U., UK*)
Y. HOCHBERG (*Hebrew U., IL*)
J. PLEFKA (*Humboldt U., DE*)

International Advisory Board

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I. ROTHSTEIN (*Carnegie Mellon, Pittsburgh*)
J. RUDERMAN (*CCPP, NYU*)
J. THALER (*CTP, MIT, Boston*)
R. TITO D'AGNOLO (*IPhT, Saclay*)
G. VILLADORO (*ICTP, Trieste*)

Organizers

C. GROJEAN (*DESY & Humboldt U.*)
J. ORLOFF (*LPC/IN2P3 & UCA, Clermont-Ferrand*)
G. SERVANT (*DESY & U. of Hamburg*)

Application

Applications deadline is **February 29, 2020**. For further information:

<https://indico.desy.de/event/23529/>

Secretary: Marine HEBERT (*LPC, Clermont-Ferrand*)

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