



16 SETTEMBRE  
2022

# CURRENT PATHWAYS IN THEORETICAL PHYSICS

**Sala Stemmi**

Palazzo della Carovana  
Scuola Normale Superiore  
Piazza dei Cavalieri, 7  
Pisa

Relatori:

**Pasquale Di BARI**  
Università Southampton, UK

**Jörn Andreas KERSTEN**  
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**Thomas SOTIRIOU**  
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SCUOLA  
NORMALE  
SUPERIORE

- 9:30** [Pasquale Di BARI](#) (U. Southampton, UK)  
*Sieging the Standard Model with Cosmology,  
Neutrinos and Gravitational Waves*
- 10:15** **Discussion**
- 10:30** **Coffee Break**
- 11:00** [Jörn Andreas KERSTEN](#) (U. Bergen, Norway)  
*Where Is Everybody? - Hunting for New Particles on Earth  
and in the Heavens*
- 11:45** **Discussion**
- 12:00** **Lunch Break**
- 15:00** [Luca SILVESTRINI](#) (INFN, Roma "La Sapienza")  
*Testing the Standard Model and Searching  
for New Physics in the Weak Interactions*
- 15:45** **Discussion**
- 16:00** **Coffee Break**
- 16:30** [Thomas SOTIRIOU](#) (U. Nottingham, UK)  
*Strong gravity and Fundamental Physics*
- 17:15** **Discussion**