

19 > 30 June 2023



# Self-Interacting Dark Matter: Models, Simulations and Signals

The lack of signals in terrestrial searches for dark matter indicates that dark matter may reside in its own sector and carry its own forces. The existence of such a dark sector has profound implications for cosmic structure formation, as it generically predicts that dark matter has self-interactions. This workshop will focus the discussions on SIDM models, simulations, and astronomical signals, as well as the current status of the small-scale structure issues. It will provide a rare opportunity for the experts from different fields to discuss the latest results, identify targets for a breakthrough, and exchange ideas for future progress in this promising research area. The workshop will take place in the medieval town of Pollica in Southern Italy, from 19 to 30 June 2023.

## ORGANIZING COMMITTEE

Camila Correa (University of Amsterdam, Netherlands)

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## CONFIRMED SPEAKERS

Kimberly Boddy  
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Simon Birrer  
(Stony Brook University, USA)

James Bullock  
(University of California Irvine, USA)

Cora Dvorkin  
(Harvard University, USA)

Carlos Frenk  
(Durham University, UK)

David Harvey  
(EPFL, Switzerland)

Richard Massey  
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