



“Non-WIMP Dark Matter”

11-13 November 2016

Jadwin Hall, Fourth Floor, Room 407
PCTS Seminar Room

The gravitational evidence for dark matter has been amassing for nearly a century and now has overwhelming experimental support. Despite this, there has been no unambiguous identification of dark matter in any terrestrial or astrophysical experiment. Discovering the nature of dark matter is one of the most pressing theoretical and experimental questions facing physics today. The standard theoretical paradigm for dark matter, the “WIMP” or weakly interacting massive particle, is becoming increasingly constrained by experiment. This workshop will bring together high-energy theorists and experimentalists, numerical simulators, cosmologists, and observational astronomers to discuss the most promising approaches to dark matter discovery in regions of parameter space beyond the traditional WIMP.

FREE, but REQUIRED REGISTRATION is limited and available online at

<http://pcts.princeton.edu/pcts>

Workshop Organizers:

Yonatan Kahn
Mariangela Lisanti

Presenters

Asimina Arvanitaki, Perimeter Institute
Jo Bovy, University of Toronto
Alyson Brooks, Rutgers University
Matthew Buckley, Rutgers University
Raffaele D’Agnolo, IAS
Jo Dunkley, Princeton University
Rouven Essig, Stony Brook
Yoni Kahn, Princeton University

Gordan Krnjaic, FNL
Mariangela Lisanti, Princeton University
Leonidas Moustakas, NASA
Kerstin Perez, MIT
Matt Reece, Harvard University
Gray Rybka, University Washington, Seattle
Chris Tully, Princeton University
Neal Weiner, NYU