

Current Trends in Dark Matter

This is an informal invitation-only workshop to discuss the recent experimental hints that point to a possible indirect detection of dark matter. However we also want to include discussion about other possible astrophysical interpretations of the data (additional astrophysical sources, acceleration, propagation).

This workshop is meant to be as informal as possible and to maximize the interaction of theorists and experimentalists! This is NOT a conference and the goal is that actual physics comes from the interactions here!

The dates for this workshop are:

April 23-24, 2009 at the IAS in Princeton, NJ

For those interested you could stick around on the weekend to continue any discussions, or you can visit NYC which is easily accessible via a short train ride from Princeton.

Housing and Travel expenses will be covered (within reason). Further details will be posted on this web page as they are finalized.

Feel free to get in touch with the organizers if you have any questions!

Organizers: Nima Arkani-Hamed, Patrick Meade, Michele Papucci, Tomer Volansky

Schedule

This is a **tentative** schedule that will be changed as needed if things need to run longer!!!

Thursday, April 23

8:30-9:00am	Arrival - Coffee/tea will be available in Bloomberg Hall Common Room	
9:00-10:30am	Discussions on Pulsars and other sources	Pasquale Blasi, Anatoly Spitkovsky, Matias Zaldarriaga
10:30-11:00am	Break - Bloomberg Hall Common Room	
11:00am-12:30pm	Discussions on Pulsars and other sources (Cont.)	
12:30-1:30pm	Lunch - Institute for Advanced Study Dining Hall	
1:30-3:00pm	HESS	Matthieu Vivier
3:00-3:30pm	Break - Fuld Hall Common Room	
3:30-7:00pm	Discussions on Propagation Effects	Boaz Katz, Pierre Salati, Igor V. Moskalenko

Friday, April 24

8:30-9:00am	Coffee/tea will be available in Bloomberg Hall Common Room	
9:00-10:30am	PAMELA	Marco Casolino
10:30-11:00am	Break - Bloomberg Hall Common Room	

11:00-11:15am	Solar System Dark Matter	Steve Adler
11:15am-12:30pm	Dark Matter Models	Doug Finkbeiner, Neal Weiner
12:30-1:30pm	Lunch - Institute for Advanced Study Dining Hall	
1:30-3:00pm	XENON/LUX	Rick Gaitskell, Dan McKinsey
3:00-3:30pm	Break - Fuld Hall Common Room	
3:30pm-4:00pm	Wino DM	Gordy Kane
4:00-7:00pm	Discussions of constraints on DM, separating possible explanations	Organizers and participants

Saturday and Sunday - Yours to explore NYC, or stick around for further discussions until your flight departs...