

# National Israeli Astronomy Seminar Day

Tuesday 31.01.2017

09:00 – 09:25 Gathering  
09:25 – 09:30 Welcome

## AGN Session

Moderator: Dr. Caterina Lani

09:30-09:55 Dr. Nuria Castello-Mor (TAU):  
Unveiling slim accretion disks in AGNs

09:55-10:20 Dr. Chi Ho Chan (TAU):  
Radiative magneto-hydrodynamics simulations of IR  
and UV radiative pressure on dusty AGN tori

10:20-10:45 Dr. Noemie Globus (HUJI):  
The collimation of magnetic jets by disk winds.  
Application to M87

10:45-11:10 Dr. Emanuele Sobacchi (BGU):  
A model for periodic blazars

11:10 – 11:40 Coffee Break

## High Energy Session

Moderator: Dr. Ofer Yaron

11:40-12:05 Mr. Ore Gottlieb (TAU):  
Cocoon emission from gamma-ray bursts

12:05-12:30 Dr. Ramandeep Gill (OUI):  
What's powering the magnetar wind nebula around  
Swift J1834.9-0846?

12:30-12:55 Mr. Barak Zackay (WIS):  
Algorithms for searching pulsars in tight binary  
systems (and "Planet 9")

12:55-13:20 Dr. Prabhakar Tiwari (Technion):  
Constraining axion like particles using the distance-  
duality relation

13:20-14:40 Lunch Break

## Stellar & Planets Session

Moderator: Dr. Serena Repetto

14:40-15:05 Dr. David Polishook (WIS):  
Surface slopes of asteroids in pairs as indicators of  
mechanical properties:

15:05-15:30 Mr. Sivan Ginzburg (HUJI):  
Hot-Jupiter Roche-lobe overflow

15:30-15:55 Mr. Itai Linial (HUJI):  
Mass loss through L2 - Application to accretion of  
stars by massive black holes

15:55-16:20 Coffee Break

## Galaxy Session

Moderator: Dr. Emanuele Sobacchi

16:20-16:45 Dr. Jonathan Freundlich (HUJI):  
Star formation at high redshift as uncovered by the  
PHIBSS programs

16:45-17:10 Dr. Santi Roca-Fabrega (HUJI):  
CGM in Milky Way size galaxies through  
cosmological simulations

17:10-17:35 Mr. Dan Padnos (HUJI):  
Kelvin-Helmholtz instability of cold streams in  
galaxies

17:35-18:00 Mr. David Benyamin (HUJI):  
What are the implications of a dynamic spiral-  
armed particles propagation model on various  
aspects of cosmic rays?

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