Cold Cores 2023

Wednesday, 24 May 2023 - Friday, 26 May 2023

UB Physics Faculty

Scientific Programme

Here is a link to the colored pdf version:
https://indico.icc.ub.edu/event/213/attachments/649/1420/Cold_Cores_2023_Scientific_Programme.pdf

Scientific Programme of the Cold Cores 2023 Meeting

Wednesday, 24th of May
Start End Duration (h:min) Topic Speaker
08:00 08:30 0:30 Registration (also during 1st coffee break and lunch)
08:30 08:40 0:10 Opening of the meeting
08:40 09:20 0:40 "Galaxy mergers and star formation" Viktor Toth
09:20 10:00 0:40 "Towards a statistical understanding of the star formation process" Alvaro Sanchez-Monge
10:00 10:50 0:50 Coffee Break
10:50 11:20 0:30 "Morphology and fragmentation of a high-mass star-forming filament" Emma Mannfors
11:20 12:00 0:40 "Dust column densities: errors, estimates, and error estimates" Mika Juvela
12:00 12:30 0:30 "3D extinction mapping of the Milky Way with the Besançon Galaxy Model in the Gaia era" Barnabe Deforet
12:30 14:00 1:30 Lunch break
14:00 14:30 0:30 “Determining distances to cold cores using stellar parallax measurements from Gaia” Doug Marshall
14:30 15:00 0:30 "VLA observations of young stellar clusters" Gemma Busquet
15:00 16:00 1:00 Discussion
16:00 17:00 1:00 Coffee Break
17:00 End of the day

Thursday, 25th of May
Start End Duration (h:min) Topic Speaker
08:30 09:10 0:40 "Will ALMA Reveal the True Core Mass Function of Protoclusters?" Paolo Padoan
09:10 09:40 0:30 "Automatized search for hub-filament systems in numerical simulations data" Dana Makarova
09:40 10:10 0:30 "Large-scale accretion in Class II YSOs" Veli-Matti Pelkonen
10:10 11:00 0:50 Coffee Break
11:00 11:40 0:40 "Magnetic field of a ring-like star forming molecular cloud" Dana Alina
11:40 12:10 0:30 "Magnetized Clustered Molecular Clouds in Orion" Bo Huang
12:10 12:40 0:30 "The B335 magnetized core: on the ionization fraction" Josep-Miquel Girart
12:40 14:10 1:30 Lunch break
14:10 14:50 0:40 "Multi-component Magnetic Field in the Sagittarius Spiral Arm" Yasuo Doi
14:50 15:20 0:30 "Statistical Analysis of the Relative Orientation Between Filaments and Magnetic Fields in Star Forming Regions" Jonathan Oers
15:20 16:10 0:50 Discussion
16:10 17:00 0:50 Coffee Break
17:00 End of the day
19:00 22:00 3:00 Conference Dinner

Friday, 26th of May
Start End Duration (h:min) Topic Speaker
08:30 09:00 0:30 "Magnetic field and gas: models to quantify magnetic braking" Nacho Añez-López
09:00 09:30 0:30 "Multi-scale dynamics and magnetic fields in the high-latitude molecular cloud MBM12" Job Vorster
09:30 10:00 0:30 "Latest news from the B-FROST programme" Julien Montillaud
10:00 11:00 1:00 Coffee Break

11:00 12:00 1:00 Discussion
12:00 End of the meeting