

Cores to Clusters

Star Formation with Next Generation Telescopes

7-9 OCTOBER 2004, CENTRO DE ASTROFÍSICA DA UNIVERSIDADE DO PORTO

Towards the second half of this decade several major telescope facilities operating in the infrared submillimeter and millimeter wave bands will become operational. These are expected to throw much light on our understanding of the the star formation phenomenon, which is addressed as one of the primary science goals in these wave bands. This workshop discuss current and future issues in star formation physics in the light of these next generation telescopes.

PROGRAM

7th October

Phil Myers (Initial conditions of star formation: General Review)
Anthony Whitworth (Theory of star formation)
Malcolm Walmsley (Physical Structure of star forming regions)
Paola Caselli (Chemical structure of star forming regions)
Mario Tafalla (Starless Cores)
Rafael Bachiller (Molecular outflows/jets and ALMA)
Francesca Bacciotti (Jets and AMBER)
Leonardo Testi (Disks & ALMA)
Michael Meyer (Formation & Evolution of Planetary Systems: Placing our Solar System in Context)

8th October

Eric Keto (Theory of Massive star formation)
Sergio Molinari (Precursors to UCHII regions)
Ricardo Cesaroni (Disks around massive stars)
Henrik Beuther (Outflows from massive stars)
Cathie Clarke (The Dispersal of Discs around youngs stars)
Jonathan Tan (Clustered Star formation: Theory)
Elizabeth Lada (Embedded clusters)
João Alves (Structure of star forming clouds)
Anne-Katharina Jappsen (Gravo-turbulent Fragmentation)
Charlie Lada (IMF, Disks around brown dwarfs)
Andre Moitinho (Pre-main-sequence evolution and brown dwarfs beyond the solar vicinity)

9th October

Rafael Rebolo (Brown Dwarfs)
Ray Jayawardhana (Formation of brown dwarfs)
Melvin Hoare (Infrared studies of massive stars)
Nanda Kumar (Massive Protostars & Small Proto-clusters)
John Richer (ALMA)

ORGANISING COMMITTEE

João Alves (ESO)
Paola Caselli (Arcetri)
M.S.N.Kumar (CAUP), **Co-Chair**
M.T.V.T. Lago (CAUP)
Mario Tafalla (OAN)



FUNDAÇÃO
CALOUSTE
GULBENKIAN



FCT

Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA CIÊNCIA E DO ENSINO SUPERIOR

