



Friday, 19 October 2018

Instituto de Astrofísica de Canarias

C/Vía Láctea s/n, E-38200 La Laguna, Tenerife

- | | |
|---------------|---|
| 9:15 – 9:30 | Welcome |
| 9:30 – 9:55 | Models overview - Brandon Hensley |
| 9:55 – 10:20 | Observational status overview – Mike Peel |
| 10:20 – 10:45 | Polarisation constraints - Ricardo Génova-Santos |
| 10:45 – 11:15 | Discussion on AME models and observations |
| 11:15 – 11:45 | Coffee break |
| 11:45 – 12:05 | Amorphous dust – Masashi Nashimoto |
| 12:05 – 12:25 | Modelling the AME without PAHs – Brandon Hensley |
| 12:25 – 12:45 | Studying AME in λ -Orionis with QUIJOTE. Roke Cepeda |
| 12:45 – 13:05 | Taurus molecular cloud and L1527– Frédérick Poidevin |
| 13:05 – 13:30 | Questions and general discussion |
| 13:30 – 14:30 | Lunch |
| 14:30 – 14:50 | A high-angular resolution study of spinning dust emission in NGC2023 – Matías Vidal |
| 14:50 – 15:10 | Microwave observations of M31 with the Sardinia Radio Telescope – Elia Battistelli |
| 15:10 – 16:30 | Final discussion and wrap-up. Points to be addressed: <ul style="list-style-type: none">• Is it really ED from spinning dust? Alternatives: MD, amorphous dust?• What have we learned from observations? Could we try to constrain the model parameters? What additional observations could be insightful?• What are the AME carriers? PAHs? Alternatives: silicates, iron nano-particles, nano-diamonds? |

- Polarisation. Shall we really worry about AME as a CMB foreground in polarisation? Could it bias the synchrotron extrapolation? Eventually, at the SED level could AME be absorbed by a synchrotron curvature?
- Prospects for detecting extragalactic AME.