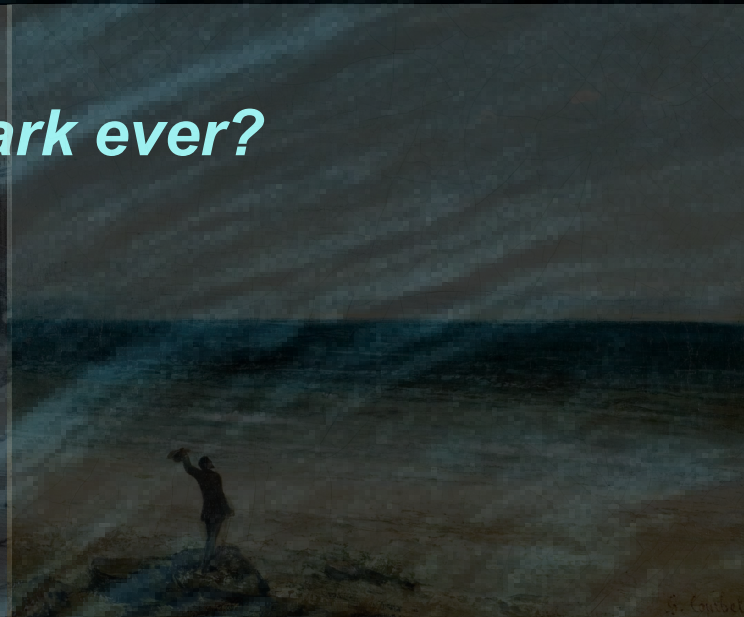


News from the dark

MONTPELLIER - Place de la Comédie - Le Théâtre

Episode 10: dark ever?



Montpellier - Sète
September 10-12 2025

GaDaMa

GREATDIGINTHESKY



Welcome !

News from the Dark:

- A series of mini-workshops bringing together people working on DM from different perspectives (th/ph/mdl oriented + obs/exp friendly).
- Limited size (~30 participants), on invitation, including young researchers.
- No fees, participation support when possible.
- Spirit: share state-of-the art devs, unveil dust under rugs, identify ways to improve.
- Room for (friendly) discussion.

Funding:

- ANR project GaDaMa, CNRS-INSU national program PNHE, LUPM.

This 10th edition (previous: Marseille, Bruxelles, Montpellier, Annecy, etc.)

SOC: Francesca Calore (Annecy), Benoit Famaey (Strasbourg), JL (Montpellier), Emmanuel Nezri (Marseille), Vivian Poulin (LUPM), Patrick Valageas (Saclay).

NB: small last-minute changes in program (check indico).

Practical

Talks/slides:

- 1 single shared laptop
- Please send your slides in time (previous session at latest)

WIFI:

- Eduroam active.
- Other WIFI option: login: **NFTD10@invite** pwd: **7EBFBF58** [academic usage only – check/click online charter]

Coffee breaks:

- Inside/Outside.

Lunches (offered to participants):

- In situ, local caterer.

Thursday: Searching for dark matter in Sète!

- A private bus takes us there, and then takes us back in Montpellier
- Meeting point will be on Pont de Sète, next to the railway station (exit upstairs); indications will be added on indico (venue)
- Departure is at 8am (better arrive ~5-10min earlier) /// Amel will check/count the passengers.

Dinner on Thursday evening (offered to participants):

- Restaurant “La Péniche”, address on the indico website.
- Return by private bus to Montpellier.

Questions?

- Practical: Ask us + local (Vivian, Théo, Elsa, Thomas, Julien, Julien).
- Other SOC members around: Benoit, Manu, Patrick.

Local support for organization: Amel Chennouf and Christophe Mercier – Thank yo so much!

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Discussion topics



Via Lactea 2 – Diemand+'08

(non-exclusive) focus on dark matter on small scales

- Scenarios of DM: axions, PBHs, decaying, etc.
- Dark matter nature vs structure formation: UL-axion-like, SIDM vs CDM candidates.
- Baryonic feedback: status of small scale issues in LCDM?
- Probing/constraining DM through dynamics, lensing, etc.
- Other cosmological/astrophysical aspects.

Big questions & big mess
But a great interdisciplinary playground

Enjoy!