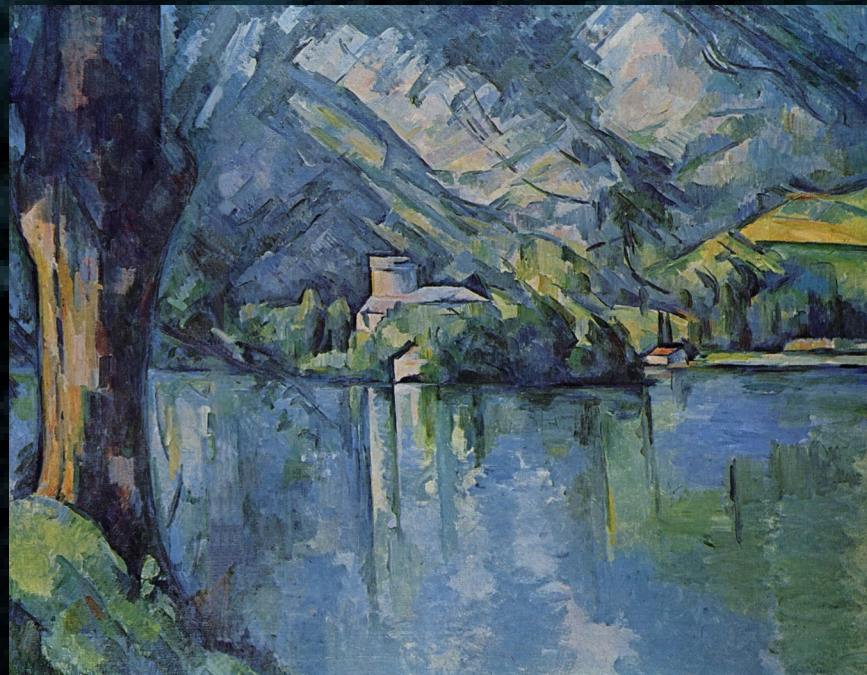


# News from the dark

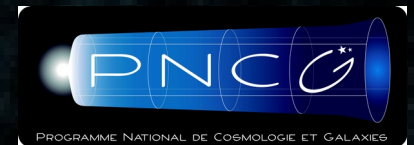
## Episode 6: the astroparticle picture

*Focus on indirect dark matter searches, review of other topics*

*LAPTh, Annecy – November 22-24 2021*



GaDaMa



# *News from the dark: what is it?*

**Funding** for **interdisciplinary theoretical networking project “Galactic Dark Matter”**

2017-2024 (participants from French institutes mostly).

- **CNRS/IN2P3-Theory**
- **CNRS/INSU national programs PNCG and PNHE**
- **ANR project GaDaMa**
- In 2021: ++ **LAPTh, ObAS, LUPM.**

**Workshop series “News from the Dark”:**

Addresses **selected aspects of “dark matter physics”** (broad sense) from the Galactic to cosmological scales.

**+++ Recurring focus on small-scale issues + related aspects +++**

- Bring together astroparticle/particle experts + astroph/cosmo/grav experts in galactic dynamics, structure formation, DM scenarios, and all sorts of probes.
- On invitation (no registration) + a good balance of young scientists
- Review talks to present recent progresses + more technical talks
- Spirit: show the dust under carpets
- Interactive, collaborative, friendly.

Started in Montpellier

Touring: Strasbourg (2020, online), Annecy (2021), back to Montpellier (2022).

# *Episode 6: the astroparticle picture*

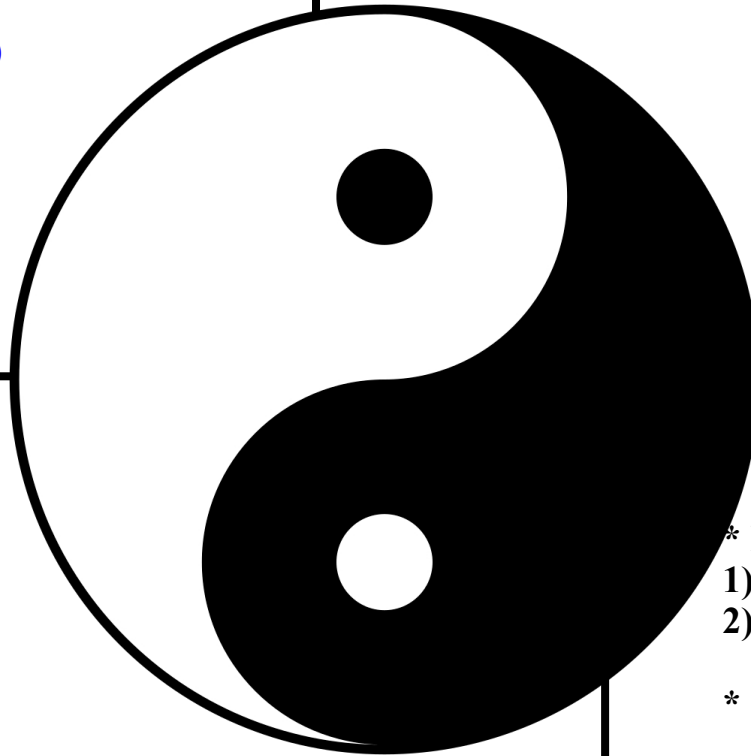
Hosting group: Astroparticle group of LAPTh

**Participating:**

- \* Francesca Calore
- \* **Pierre Salati (Chair)**
- \* Pasquale Serpico
- \* Martin Stref

**Orga:**

- \* Véronique Jonnery
- \* Virginie Malaval
- \* Dominique Turc



**Program:**

**Monday:**

- \* DM from HE astrophysics perspectives
  - 1) Experimental view
  - 2) Pheno aspects

- \* Compact objects

**Tuesday:**

- \* Dark and visible (sub)structure
  - 1) Streams and dwarfs
  - 2) Phase-space distribution
  - 3) Subhalos

**Wednesday:**

- \* Broader perspectives

ENJOY!