

List of talks and conferences

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List of seminars and conference talks, as well as participation in other conferences, meetings and workshops.

Seminars

- Nov. 17 2021 *Machine Learning at galactic and cosmological scales*. IFIC. | [Video](#) and [slides](#)
- Dec. 6 2019 *Constraining Dark Matter scenarios through 21 cm cosmology*. Université Libre de Bruxelles, Brussels, Belgium.
- Oct. 14 2019 *Constraining Primordial Black Hole scenarios with 21 cm cosmology*. Department of Astrophysical Sciences, Princeton University, USA.
- May 6 2019 *Exploring Dark Matter scenarios through 21 cm Cosmology*. IFIC.
- Dec. 7 2018 *Constraints on Dark Matter scenarios through 21 cm Cosmology*. IFIC.
- Oct. 25 2018 *Constraining astrophysical and Dark Matter scenarios with EDGES and Reionization data*. University of Nagoya, Japan.
- Oct. 23 2018 *Constraining astrophysical and Dark Matter scenarios with EDGES and Reionization data*. Kavli IPMU, University of Tokyo, Japan.

Conferences, workshops & meetings

- Nov. 2021 *CAMELS meeting*, online, organized by the Flatiron CCA.
• **Talk:** *Weighing the Milky Way and Andromeda with Graph Neural Networks*.
- Jul. 2021 *CAMELS meeting*, online, organized by the Flatiron CCA.
• **Talk:** *Predicting halo masses with Graph Neural Networks*.
- Nov. 2020 *AI@IFIC (Artificial Intelligence at IFIC)*. Instituto de Física Corpuscular.
• **Talk:** *Recovering the Dark Matter density field from 21cm maps via CNNs*.
- Apr. 2020 *Hackaton CoronaHack - AI vs. Covid-19*. Online, organized by mindstream-ai.
- Jun. 2019 *Invisibles19 Workshop*. Jardí Botànic de la UV, València. **Member of the local organizing committee**.
• **Talk and poster:** *Local 21 cm signal from Primordial Black Holes*.
- Mar. 2019 *Symposium Data science symposium, bridging fundamental research and industry*. Universidade do Minho, Braga, Portugal.
- Sep. 2018 *IGM 2018: Revealing Cosmology and Reionization history with the Intergalactic Medium*. Kavli IPMU, University of Tokyo, Japan.
- May 2018 *Statistical Challenges in 21st Century Cosmology*. Universitat de València.
- Nov. 2017 *Physics opportunities with a new universe's view: the SKA radio telescope*. Instituto de Física Corpuscular.
• **Talk:** *Warm dark matter and cosmic reionization*.

- Sep. 2017 *Meeting on Fundamental Cosmology*. Centro de Estudios de Física del Cosmos de Aragón (CEFCA).
• **Talk:** *Warm dark matter and the ionization history of the Universe.*

Courses & schools

- Apr.-May 2020 Course *Introduction to Machine Learning for Particle Physicists*. Instituto de Física Corpuscular.
- Jun. 2019 *Invisibles19 School*. Laboratorio subterráneo de Canfranc (LSC). **Member of the local organizing committee.**
• **Poster:** *Local 21 cm signal from Primordial Black Holes.*
- Mar. 2019 School *Data science in (astro)particle physics and cosmology: the bridge to industry*. Universidade do Minho, Braga, Portugal.
- Jun. 2018 School *Cosmological Applications from First Stars, Reionization and 21-cm Observations*. Institut de Ciències del Cosmos Universitat de Barcelona (ICCUB).
• **Talk and poster:** *EDGES result versus CMB and low-redshift constraints on ionization histories.*
- May 2018 School *Astronomical Data Analysis school ADA IX*. Universitat de València.
- Feb. 2017 Course *Data analysis and machine learning -Python-*. Universitat de València.
- As well as other special courses and schools on theoretical physics, cosmology and computational tools.