

# IFAE seminars and colloquia committee

Committee composition:

ATLAS: Javier Jiménez

Cosmology: Jonás Chaves, Martine Lokken

Gamma rays: Giulio Lucchetta

Gravitational waves: Monica Seglar

Medical physics: Gerard Ariño

Neutrinos: Pilar Casado

PIC: Elizabeth Johana González

QCT: Manel Martínez

Theory: Juan Sebastián Valbuena

Pizza seminars: Elia Bertoldo, Giada Caneva, Francesco Sciotti

## Colloquia

- **Up to six per year** → Need to reach agreement
- IFAE pays travel and hotel\* expenses
- IFAE pays 300 € as stipendium

## Seminars

- Travel and hotel expenses charged to projects
- IFAE pays **up to** 150 € as stipendium
- Overall expenditure ~ 500, 600 € per seminar
- **Eight** experimental groups → ~**one experimental** seminar of a given line every two months
- **Theory seminars:** ~one per week
- **Pizza seminars:** one per week, assigned to groups (theory + experimental) according to the number of students + postdocs in the group



## Colloquium


November 2024

---

 29 Nov [Roland Bacon, "The Wide Field Spectroscopic Instrument"](#)

April 2024

---

 12 Apr [Laura Munteanu , "Navigating the nucleus: The path to precision measurements of neutrino oscillations"](#)


February 2024

---

 28 Feb [Chris Rogers, "Towards a muon collider"](#)

January 2024

---

 30 Jan [Elisa Chisari, "Cosmology with the next generation of galaxy surveys: challenges and rewards"](#)

<b>Colloquia</b>		
	<b>Expected</b>	<b>Given</b>
Cosmology		2
Neutrino		1
Theory		1
...		
<b>All groups</b>	<b>6</b>	<b>4</b>

# Seminar

## December 2024


---

 17 Dec [Cesar Jesus-Valls: Earth Tomography with Neutrinos with Next Generation Neutrino Experiments](#)

## November 2024

---

 22 Nov [Elisa Chisari, "The alignments of galaxies and other cosmic structures over time"](#)

 12 Nov [Javier Toledo Marín, "Conditioned Calo4pQVAE: High-energy calorimeter-particle interactions using deep learning and quantum annealers"](#)

 05 Nov [Yoav Afik, "Quantum Tops: Quantum Information Meets High Energy Physics"](#)

## October 2024


---

 11 Oct [Lucia Perez, "\(Machine\) Learning the Universe with CAMELS-SAM and beyond"](#)

 04 Oct [Sindhu Satyavolu, "Quasar proximity zones in a partially ionized IGM"](#)

## July 2024

---

 30 Jul [Ornella Juliana Piccinni, "The unbearable lightness of Continuous Gravitational Waves: Advanced detection techniques for neutron stars and dark matter searches"](#)

 29 Jul [Javier Caravaca, "Photon Imaging Technologies for Nuclear Medicine Therapy"](#)

 03 Jul [Bernardita Ried Guachalla, "Velocity reconstruction for the kinematic Sunyaev-Zel'dovich effect"](#)

## June 2024

---

 28 Jun [Kate Storey-Fisher, "Large-Scale Structure Cosmology with the Quiaia Quasar Catalog"](#)

 07 Jun [Roger de Belsunce, "Cosmology with the Lyman-a Forest"](#)

## May 2024

---

 24 May [Noah Weaverdyck, "Robust Cosmology with the Dark Energy Survey"](#)

## March 2024


---

 04 Mar [Michele Maggiore, "Gravitational waves as probes of dark energy and modified gravity"](#)

## February 2024

---

 23 Feb [Boris Leistedt, "Learning galaxy populations & redshift distributions with ML-accelerated simulation-based inference"](#)

 15 Feb [Vincent Mourik, "Spin qubits as a quantum computing platform: the current status, chances, and hurdles for scaling up"](#)

<b>Experimental seminars</b>		
	<b>Expected</b>	<b>Given</b>
ATLAS		2
Cosmology		8
Gamma rays		0
Gravitational waves		2
Medical physics		1
Neutrinos		1
PIC		0
QCT		1
<b>All groups</b>	<b>~40</b>	<b>15</b>

# Back up material

# Paperwork

The speaker (both for seminars and colloquia) should provide:

- Photocopy of the passport
- Official bank ID details document
- Signed IFAE form (see next slide)



