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



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"

Colloquia				
	Expected	Given		
Cosmology		2		
Neutrino		1		
Theory		1		
•••				
All groups	6	4		



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 Quaia 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"

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

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)

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IFAE form

Name:

DNI/NIE:

XXXX XXXX

XXXXXXX

XXXX XXXX Name: DNI/Passport N.: XXXXXXXX

I have received from the INSTITUT DE FÍSICA D'ALTES ENERGIES (IFAE) the following amount for the conference "XXXX-title-of-the-seminar-XXXX" within the Seminar program of the IFAE Experimental Division, held on the XX XXXX of 2023, according to the following detail:

	Item	Amount
1	Seminar "XXXX-title-of-the-seminar-XXXX"	197,37 €
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LY.	Subtotal	197,37 €
	24% deduction IRPF	-47,37 €
	Total	150,00 €

I have received from the INSTITUT DE FÍSICA D'ALTES ENERGIES (IFAE) the following amount for the conference "XXXX-title-of-the-seminar-XXXX" within the Seminar program of the IFAE Experimental Division, held on the XX XXXX of 2023, according to the following detail:

	Item	Amount
1	Seminar "XXXX-title-of-the-seminar-XXXX"	176,47 €
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	*e5101	
	10	
	Subtotal	176,47 €
	15% deduction IRPF	-26,47 €
	Total	150,00 €

This document is not an invoice and is issued in accordance with art. 17.2.c), art. 101.3 and additional provision 31a, section 2, of Law 35/2006, of 28 November, on Personal Income Tax (IRPF), given that the amounts received for the training given are considered earned income. For this reason, the payer must withhold the relevant amount that must be paid to the Tax Agency as income from the work of the trainer.

Signed,

XXXX XXXX

This document is not an invoice and is issued in accordance with art. 17.2.c), art. 101.3 and additional provision 31a, section 2, of Law 35/2006, of 28 November, on Personal Income Tax (IRPF), given that the amounts received for the training given are considered earned income. For this reason, the payer must withhold the relevant amount that must be paid to the Tax Agency as income from the work of the trainer.

Signed,

XXXX XXXX