

IPhU Particle Physics group

Coordinators: A. Bharucha, L. Feligioni

- 11/05/2020 1st Topical Discussion Session - Axions and ALPs
- 02/11/2020 IPhU Webinar - A physicist's view on pandemic dynamics, Giacomo Cacciapaglia
- 01/02/2021 2nd Topical Discussion Session - Low mass resonances at the LHC
- 23/04/2021 IPhU Webinar - Leading hadronic contribution to the muon magnetic moment from lattice QCD, Laurent Lellouch
- 03/06/2021 3rd Topical Discussion Session - Lepton Flavor Interplay
 - D. Faroughy (Zurich, theory), E. Manoni (Perugia, Belle II)
 - The format consists of a half a day meeting, two invited speakers: one theorist and one experimentalist giving each a 45' presentation +15' Q/A.
 - After the presentations, a brainstorming session is held, arguments treated are not necessarily tightly linked to what previously presented.
- 26/11/2021 IPhU Dark Matter day
- 2-4/2022 IPhU lectures (see next slide)
- 21/3/2022 IPhU seminar: Witnesses of non-classicality beyond quantum theory (Chiara Marletto)
- TBD “New perspectives for SUSY: flavor and direct searches”
- TBD “LFU tests in b to c: latest news and prospects”

IPhU+ED352 Lectures

Séminaires disciplinaires et transdisciplinaires - Formations scientifiques

	Contact :	Date de début	Participation	Etat
- Cours "Standard Model"	Aoife BHARUCHA		Présentiel	Ouvert
- Cours 'Advanced neutrino physics'	José BUSTO	10 janvier 2022	Présentiel	Ouvert
- Cours 'Field theoretical aspects of general relativity'	Simone SPEZIALE	10 janvier 2022	Présentiel	Ouvert
- Cours 'Introduction to Nanophotonics'	Gilles RENVERSEZ	10 janvier 2022	Présentiel	Ouvert
- Cours 'Nano-Biophotonics'	Julien DUBOISSET	10 janvier 2022	Présentiel	Ouvert
- Cours 'Observational Cosmology'	Denis BURGARELLA	10 janvier 2022	Présentiel	Ouvert
- Cours 'Quantum Mechanics for Finite Systems'	Adrien SAVOYANT	10 janvier 2022	Présentiel	Ouvert
- Cours 'Quantum Processes involving atoms and photons'	Caroline CHAMPENOIS	10 janvier 2022	Présentiel	Ouvert
- Cours 'Renormalisation and Effective Theories'	Thomas KRAJEWSKI	10 janvier 2022	Présentiel	Ouvert
- Cours 'The Large Research Astrophysics and Particle Physics Instruments of the coming decades'	GILLARD William CUBY Jean-Gabriel	10 janvier 2022	Présentiel	Ouvert
- Cours 'Bridging cosmology and galaxy formation'	Carlo SCHIMD	01 mars 2022	Présentiel	Ouvert
- Cours 'Advanced statistical methods for high energy physics'	Lorenzo FELIGIONI	14 mars 2022	Présentiel	Ouvert
- Cours 'Large Surveys, Big Data, Generous Statistics'	Matthew PIERI	04 avril 2022	Présentiel	Ouvert
- Cours : Dark matter from phenomenological perspectives	Emmanuel et Julien NEZRI et	13 octobre 2022	Présentiel	Ouvert

+ Cours: Beyond the SM

Michele Frigerio

22 fevrier 2022

15 hours between LF (statistics) and Yann Coadou (Machine learning) - 6 CPPM/4 M1 (but only at beginning)

6 PhDs (3/4 CPT+2 non-IPhU) good discussions, absence of CPPM/M2 students

Suggestions for lectures from MF

- 1) IPhU supported M2 students should be required to attend minimum 1 extra course on the top of the canonical M2 courses;
- 2) IPhU doctoral courses should be advertised to the whole IPhU community regularly, and possibly to a larger French community as well;
- 3) ideally it would be great if M2 and PhD students from other Universities could attend the courses if interested, but this requires either (i) some IPhU support for a cheap accommodation, or (ii) having access to IPhU video infrastructure to stream live the blackboard lectures.
- 4) if budget allows, an excellence doctoral school should acknowledge some symbolic remuneration to the Lecturers ;)