



# Strongly interacting matter in extreme magnetic fields

## Thursday, 28 September 2023

### Theory developments - Aula Renzo Leonardi (09:30 - 16:30)

time	[id] title	presenter
09:30	[31] Magnetic fields in heavy-ion collisions: catalyzers of photon production via gluon fusion	TEJEDA-YEOMANS, Maria Elena
10:00	[32] QED Fermions in a noisy magnetic field background	MUNOZ, Enrique
10:30	[33] Fermions in a noisy magnetic field background: The effective action	LOEWE LOBO, Marcelo
11:00	Coffee break	
11:30	[34] Gluon Polarization Tensor in a Fluctuating Magnetic Field Background	CASTAÑO YEPES, Jorge David
12:00	[35] Meson mass calculation in a strong magnetic field and lattice constraints	DOS SANTOS AVANCINI, Sidney
12:30	[36] Meson under strong magnetic fields	SCOCOLA, Norberto
13:00	Lunch	
14:30	[45] Hot and dense perturbative QCD in a very strong magnetic background	FRAGA, Eduardo
15:00	[38] Pion coupling to constituent quarks and the Yukawa potential at weak magnetic field	BRAGHIN, Fabio
15:30	[39] Topological susceptibility in a magnetic field	ADHIKARI, Prabal
16:00	Coffee break	