

		<b>7th workshop on magnetic fields in high-energy density laboratory plasmas / LaB2022</b>			
Monday 19/12		Tuesday 20/12		Wednesday 21/12	
Session "Collisionless shocks"		Session "Instabilities"		Session "Turbulence"	
9:00-9:30	Takanobu Amano, Electron injection at high-Mach number collisionless oblique shocks	9:00-9:30	Virginia Bresci, Saturation of the asymmetric current filamentation instability under conditions relevant to relativistic shock precursors	9:00-9:30	Archie Bott, Studying the fluctuation dynamo and magnetized turbulence with the TDYNO laser-plasma experiments
9:30-10:00	Damiano Caprioli, The microphysics of collisionless shocks	9:30-10:00	Maxence Gauthier, Time-resolved X-ray imaging of Weibel-like instabilities in high-intensity laser plasma interactions	9:30-10:00	Graeme D Sutcliffe, Experiments studying magnetic field generation and saturation mechanisms in plasmas at the OMEGA laser
10:00-10:30	A. Grassi, Energy partition in collisionless shocks, including both new NIF experiments and simulations analysis	10:00-10:30	Alexis Marret, Magnetic field amplification by the non-resonant cosmic rays streaming instability	10:00-10:30	Norbert Magyar, MHD turbulence generation in inhomogeneous plasmas
break 30'		break 30'		break 30'	
11:00-11:30	Arno Vanthieghem, Electron heating within shocks dominated by the Weibel instability	Session "Instabilities"		Session "MR"	
Session "Astrophysically-relevant plasmas"		11:00-11:30	Taiki Jikei, The role of finite background magnetic field for Weibel instability at collisionless shocks	11:00-11:30	R. Smets, Laboratory investigation of reconnection weakened by a guide-field
11:30-12:00	B. Albertazzi, Interplay between plasmas and Magnetic field experiments focused on accretion and supernovae	11:30-12:00	Fabio Bacchini, Kinetic shearing-box simulations of the magnetorotational instability in 3D	11:30-12:00	Kentaro Sakai, Magnetic reconnection driven by electron dynamics in laser produced plasmas
12:00-12:30	Weipeng Yao, Laboratory stochastic particle acceleration in double-jet collision via magnetic Rayleigh-Taylor instability	12:00-12:30	Yasu Kuramitsu, Nonlinear evolution of the Weibel and filament instabilities in laser produced plasmas under the influence of an ambient magnetic field	12:00-12:30	A. Sladkov, Numerical study of magnetic reconnection in laser-produced high-aspect ratio plasmas
12:30-13:00	Sophia Malko, Observation of Rayleigh-Taylor instability in axially magnetically collimated plasma jets in the laboratory	12:30-13:00	Chun-Sung Jao, Preliminary study for the laboratory experiment of non-resonant streaming instability	12:30-13:00	Lee Suttle, Investigating non-thermal particle heating in collisional reconnection experiments
lunch		lunch		lunch	
Session "Implosions and shocks"		Session "UHI plasmas"		Session "Laser-driven plasmas"	
14:45-15:00	G. Rikken, Introduction by the ISABEL coordinator of the Relations with EU Research Infrastructures	14:00-14:30	Brandon Russell, Generation and measurement of magnetic fields in ultra-intense laser-solid interactions	14:30-15:00	Yuji Fukuda, Magnetic field generation and particle acceleration in laser-cluster plasmas
15:00-15:30	Roland Ducloux/Olivier MICHEL, A non-local electron transport model in the diffusion scaling of Magneto-Hydrodynamics	14:30-15:00	Jens von der Linden, Magnetic manipulation techniques for relativistic electron-positron pair plasma including collimation, focusing, and mirror trapping	15:00-15:30	Bertrand ETCHESAHAR, Design of a magnetization system for LMJ-PETAL
15:30-16:00	C. Niemann, Measurements of collisionless coupling between explosive debris plasma and a magnetized background	15:00-15:30	Ryan Peterson, Magnetic Cavitation in Laser-Driven Electron Beams	15:30-16:00	J. Fuchs, Dynamics of nanosecond laser pulse propagation and of associated instabilities in a magnetized underdense plasma
break 30'				break 30'	
16:30-17:00	JJ Santos, Studies of extended-MHD effects and confinement properties of magnetized cylindrical implosions	Apollon visit		Session "Astrophysically-relevant plasmas"	
17:00-17:30	C. A. Walsh, Magnetized ICF Implosions: Scaling of temperature and yield enhancement	Apollon visit		16:30-17:00	Salvatore Orlando, Role of magnetic field in the evolution of supernova remnants
17:30-18:00	Hong Sio, Magnetized indirect-drive inertial confinement fusion at the National Ignition Facility	Apollon visit		17:00-17:30	Simon Bolaños, Laboratory study of the initial stages of quasi-parallel collisionless shocks relevant to supernova remnants
18:00-18:30	J. Beard, Generation of 60 T fields compatible with laser-plasma experiment	Apollon visit		17:30-18:00	George Wong, Addressing the Uncertainties in Global Black Hole Accretion Simulations

## Zoom links :

**Monday 19.12** <https://ecolepolytechnique.zoom.us/j/89865351677?pwd=ajdzNzlvTTE0bi83Kytha2wxU0ZjUT09>

**Tuesday 20.12** <https://ecolepolytechnique.zoom.us/j/84436206444?pwd=WxV0ciEwZGVlVWp3S2VvcEVVWklvZz09>

**Wednesday 21.12** <https://ecolepolytechnique.zoom.us/j/84987213378?pwd=NDFrY3BRVTdndVJzY2xWOHJ6K0pMUT09>