Time	Speaker	Affiliation	Title
09h00			Opening remarks
09h10	Chang Liu	L'Institut de la Vision	Microscale temperature measurement and control for optogenetics and thermogenetics
09h25	Maxime Garnier	Laboratoire de Physique des Solides	Condensed- -Matter theory - Topological Superconductivity
09h40	Raphaelle Taub	LPS Orsay	Compression of fiber bundles on a surface with friction
09h55	Johanna Fischer	Unité Mixte de Physique CNRS/Thales	Microscopic imaging of the strain-engineered magnetoelectric coupling in ferroelectric/antiferromagnetic BiFeO3
10h10			**Plenary talk - Lenka Zdeborova - Statistical physics of computational problems**
10h50			**Coffee break and Poster Session**
11h15	Hadrien Duprez	C2N-CNRS	Two facets of the Coulomb interaction revealed by electron interferometry
11h30	Clement Molinier	L'Institut de la Vision	Wavefront Engineering Microscopy for stimulation and study of the brain
11h45	Jonathan Dong	Laboratoire Kastler Brossel	Optical Computing for Machine Learning
12h00	Saurabh Nath	PMMH -ESPCI	Capillary springs
12h15	Yi Zhang	IPhT CEA/Saclay	String theory, strongly coupled gravity and generalized complex geometry
12h30			**Lunch and Poster Session**
14h30	Samantha Sbarra	Laboratoire Matériaux et Phénomènes Quantiques	Optomechanics for virology
14h45	Tommaso Galgani	Institut Curie	Combining advanced microscopy techniques for fast 3D imaging at the single molecule level in living cells
15h00	Jiawen Lu	Institut des NanoSciences de Paris	Polarization and Radiation Pattern analysis of Nanoemitters and Nanostructures
15h15	Tom Darras	Laboratoire Kastler Brossel	Quantum Communications: Optical Hybrid Quantum Information Processing.
15h30			**Plenary talk - Benoit Roman - Physics of tearing**
16h10			**Coffee break and Poster Session**
16h40	Marie Darcheville	CEA Le Ripault	Développement d'un matériau magnétique multi-bandes par dépôt d'oxydes en voie liquide
16h55	Kevin Berlemont	Laboratoire de Physique de l'ENS	Perceptual decision-making with attractor neural networks
17h10	Alexis Poncet	Laboratoire Physique Théorique de la Matière Condensée	Correlations of Active Brownian Particles
17h25	Mathieu Bertrand	Laboratoire Kastler Brossel	Ultracold Strontium atoms in a hihg-finesse optical ring microcavity
17h40	Dandan Yu	PMMH -ESPCI	Numerical simulations of turbidity current
17h55			**Poster prize and Concluding remarks**
18h			**Cocktail**