



Chairman : ***

9h – 9h10

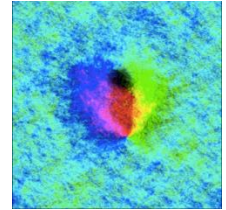
OUVERTURE DE LA JOURNEE par Myriam Pannetier-Lecoeur et François Daviaud



9h10 – 9h25

Benoît Mahault (3^{ème} année, SPHYNX)

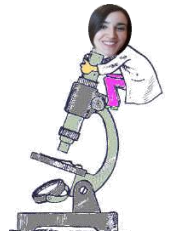
Continuous transition to quasi-long-range polar order in dry active matter



9h25 – 9h40

Sarra Mitiche (3^{ème} année, LEPO)

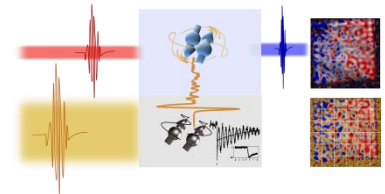
Plasmonique de Nano-objets Au par Microscopie de Photoémission d'Electrons et Théorie des Groupes



9h40 – 9h55

Théophile Chirac (2^{ère} année, LNO)

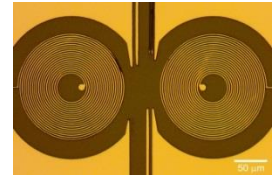
Composants spintroniques à base de matériaux antiferromagnétiques



9h55 – 10h10

Jonas Müller (2^{ème} année, GNE)

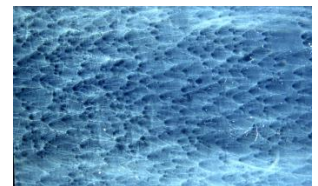
Microfabricated high impedance RF resonators for quantum detection



10h10 – 10h25

Alizée Dubois (3^{ème} année, SPHYNX)

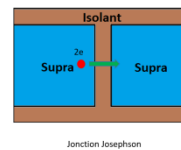
Influence du champ d'ondes élastiques et du désordre microstructural en fracture dynamique



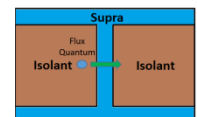
10h25 – 10h40

Nicolas Bourlet (1^{ère} année, GQ)

Towards Quantum Phase Slip Junction



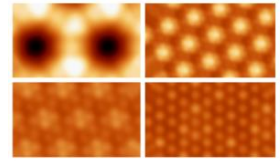
Jonction Josephson



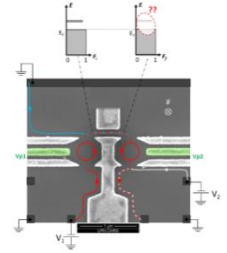
Quantum Phase Slip Junction

10h40 – 11h

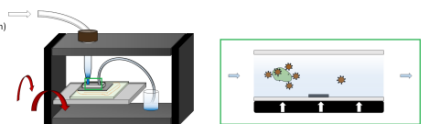
PAUSE CAFE

**11h – 11h15****Daniela Di Felice** (3^{ème} année, GMT)Electronic structure and transport in the graphene/MoS₂ heterostructure for the conception of a field effect transistor**11h15 – 11h30****Ramiro Rodriguez** (3^{ème} année, GNE)

Energy Relaxation in the Integer Quantum Hall Regime

**11h30 – 11h45****Manon Giraud** (2^{ème} année, LNO)

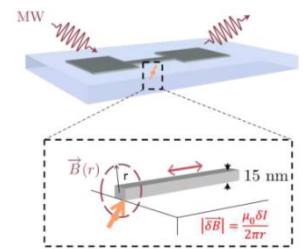
Biochips using GMR sensors to detect micron and submicron biologic objects

**11h45 – 12h****Arnaud Lesaine** (3^{ème} année, SPHYNX et UPSud/FAST)

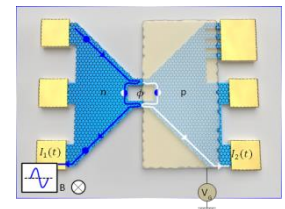
Propriétés mécaniques de films obtenus par séchage de suspensions colloïdales

**12h – 12h15****Jessica-Fernanda Da-Silva-Barbosa** (2^{ème} année, GQ)

Towards Single Spin detection using microwaves

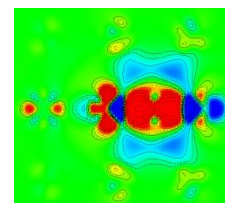
**12h15 – 12h30****Paul Brasseur** (1^{ère} année, GNE)

Interférométrie de Mach Zehnder dans le graphène

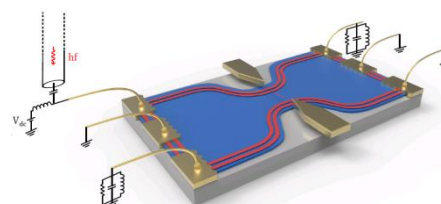
**12h30 – 13h35****DEJEUNER (BUFFET)****13h35 – 13h45****PHOTO DE GROUPE DES MEMBRES DU SPEC**

**13h45 – 14h****Anton Schneider** (2^{ème} année, GMT et DEN/SRMP)

Interplay between magnetism and defects properties in bcc Iron-Manganese alloys from first principles

**14h – 14h15****Maëlle Kapfer** (3^{ème} année, GNE)

Fractionally charged anyons

**14h15 – 14h30****Paul Datin** (2^{ème} année, SPHYNX)

Effet d'une manipulation optique de molécules sur leur transition vitreuse

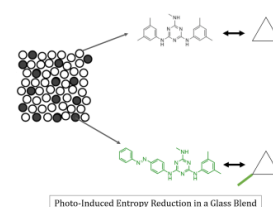
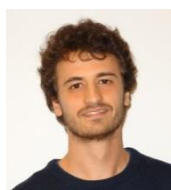
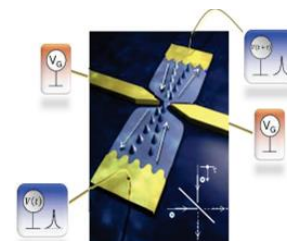


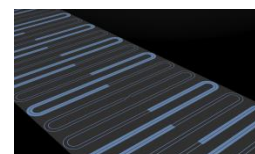
Photo-Induced Entropy Reduction in a Glass Blend

**14h30 – 14h45****Imen Taktak** (1^{ère} année, GNE)

Détection d'électrons uniques pour l'optique quantique électronique et les qubits volants

**14h45 – 15h****Emanuele Albertinale** (1^{ère} année, GQ)

Nuclear spin control in nanoscale ESR of Bismuth donors in silicon

**15h – 15h15****Paul Debue** (2^{ème} année, SPHYNX)

Fishing the energy cascade of turbulence for extreme events

**15h15 – 15h30****PAUSE CAFE**

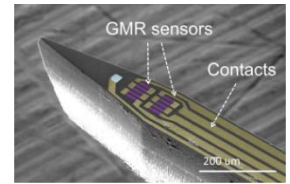
Chairman : ***



15h30 – 15h45

Chloé Chopin (1^{ère} année, LNO)

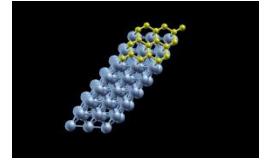
Capteurs biomagnétiques à électronique de spin



15h45 – 16h

Ludovic Le Laurent (1^{ère} année, GMT)

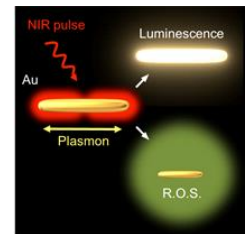
Anisotropie magnétique dans un système hybride non-organique : Cobalt-Graphène



16h – 16h15

William Bruce Djampa Tapi (1^{ère} année, LEPO)

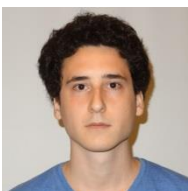
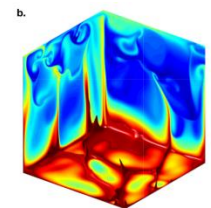
Photophysics of hot electrons transfers between plasmonic nanoparticles and molecular adsorbates



16h15 – 16h30

Simon Lepot (3^{ème} année, SPHYNX)

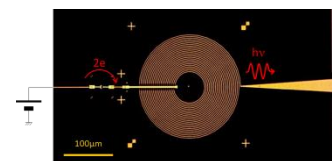
Convection par chauffage radiatif



16h30 – 16h45

Ambroise Peugeot (2^{ème} année, GNE)

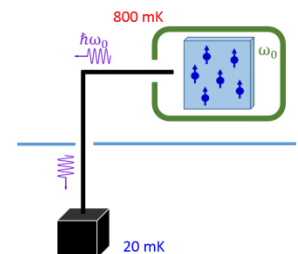
Quantum Microwaves with a DC-biased Josephson junction



16h45 – 17h

Bartolo Albanese (2^{ème} année, GQ)

Electron spin hyperpolarization via radiative cooling



17h – 17h15

CONCLUSION DE LA JOURNEE par François Daviaud