

# The 1st 6MaF workshop

2024.7.12 - 15, LNCMI. Toulouse, France

## July 12 (Fri.)

24 or 15 min talk ( 1 min for change speaker)

|    |               |   |                 |                    |
|----|---------------|---|-----------------|--------------------|
| 1  | 9:30 - 9:54   | Bandgap spectroscopy in megagauss fields  | Atsuhiko Miyata | ISSP, UTokyo       |
| 2  | 9:55 - 10:19  | Excitons in low dimensional perovskite in megagauss range   | Yang Zhuo       | ISSP, UTokyo       |
| 3  | 10:20 - 10:44 | Excitonic properties of 2D layered perovskites revealed by magneto-spectroscopy   | Mateusz Dyksyk  | Wroclaw University |
|    | 10:45 - 11:14 | Tea Break   |                 |                    |
| 4  | 11:15 - 11:39 | Transport measurements above 100 T !  | Sven Badoux     | EMFL-LNCMI         |
| 5  | 11:40 - 12:04 | Magnetoresistance investigation of High-Tc superconductors in high magnetic fields  | Shiyue Peng     | ISSP, UTokyo       |
| 6  | 12:05 : 12:29 | Searching of insulator-to-metal transition induced by ultrahigh magnetic fields in strongly correlated electron systems using destructive magnets | Yuto Ishii      | ISSP, UTokyo       |
|    | 12:30 - 13:59 | Lunch Break   |                 |                    |
| 7  | 14:00 - 14:24 | Semi-automatic single-turn coil system and popularization   | Xuguang Zhou    | ISSP, UTokyo       |
| 8  | 14:25 - 14:49 | TBA   | Nicolas Bruyant | EMFL-LNCMI         |
| 9  | 14:50 - 15:14 | Cryogenic systems for extreme magnetic fields   | Marc Nardone    | EMFL-LNCMI         |
| 10 | 15:15 -15:30  | TBA   | Hiroyuki Suzuki | ISSP, UTokyo       |
|    | 15:30 - 16:30 | LAB TOUR  |                 |                    |
|    | 16:30 - 20:00 | Poster & Get together   |                 |                    |

## July 15 (Mon.)

24 min talk ( 1 min for change speaker)

|    |               |  |                     |                |
|----|---------------|--|---------------------|----------------|
| 11 | 9:30 - 9:54   | Ultrahigh magnetic field measurements on frustrated magnet   | Hiroaki Hayashi     | ISSP, UTokyo   |
| 12 | 9:55 - 10:19  | Magnetic field effect on the ferroelectric phase transition in BaTiO <sub>3</sub> at a magnetic field of 100 T | Polin Chiu          | ISSP, UTokyo   |
| 13 | 10:20 - 10:44 | Challenge to NMR measurement in destructive fields   | Tomoki Kanda        | Hokkaido Univ. |
|    | 10:45 - 11:14 | Tea Break  |                     |                |
| 14 | 11:15 - 11:39 | Motivation and perspectives for low energy excitation measurements in Megagauss fields                         | Oliver Portugall    | EMFL-LNCMI     |
| 15 | 11:40 - 12:04 | Megagauss instrumentation projects: THz spectroscopy and magnetization   | Oleksiy Drachenko   | EMFL-LNCMI     |
| 16 | 12:05 : 12:29 | Exploration of sciences in the megagauss field   | Yasuhiro H. Matsuda | ISSP, UTokyo   |
|    | 12:30 - 13:59 | Lunch Break  |                     |                |
|    | 14:00 - 17:00 | EXPERIMENTS  |                     |                |
|    | 17:00 - 18:00 | Break  |                     |                |
|    | 18:00 - 20:00 | Banquet  |                     |                |