

**Colloque du LIA Circuits et matériaux quantiques des 5 et 6 juin 2018**  
**Programme (au 27/05/2018)**

| Mardi 5 juin                          |  | Mercredi 6 juin              |  |
|---------------------------------------|--|------------------------------|--|
| 7:30 - 8:35<br>Rotonde                | PETIT-DEJEUNER   | 7:30 - 8:50<br>Rotonde       | PETIT-DEJEUNER   |
| 8:35 - 8:45                           | Rotonde -> Bât D9  |                              |  |
| 8:45 - 9:00                           | Intro de bienvenue   | 8:50 - 9:00                  | Rotonde -> Bât D9  |
| 9:00 - 9:40<br>D9 salle C7            | <b>Hot topics in quantum materials</b><br><b>L.TAILLEFER</b>                     | 9:00 - 9:40 D9<br>salle C7   | <b>Magnetic resonance with quantum microwaves.</b><br><b>P. BERTET</b>                   |
| 9:40 - 10:20<br>D9 salle C7           | <b>T-linear res... in overdoped cuprates</b><br><b>C. PROUST &amp; A. LEGROS</b> | 9:40 - 10:20<br>D9 salle C7  | <b>Electronic properties ... using THz spectroscopy</b><br><b>D. MORRIS</b>              |
| 10:20 - 11:00<br>D9                   | PAUSE-CAFE DISCUSSIONS   | 10:20 - 11:00<br>D9          | PAUSE-CAFE DISCUSSIONS   |
| 11:00 - 11:40<br>D9 salle C7          | <b>Extracting single electron wavefunctions...</b><br><b>G. FEVES</b>            | 11:00 - 11:40<br>D9 salle C7 | <b>Théorie de Floquet pour des Hamiltoniens périodiques</b><br><b>B. DOUCOT</b>          |
| 11:40 - 12:20<br>D9 salle C7          | <b>Parametric amplification and squeezing ...</b><br><b>U. MENDES</b>            | 11:40 - 12:20<br>D9 salle C7 | <b>Quantum computing with Schrödinger cat states</b><br><b>Z. LEGTHAS</b>                |
| 12:20 - 12:30                         | Bât D9 -> Rotonde  | 12:20 - 12:30                | Bât D9 -> Rotonde  |
| 12:30 -14:30<br>Rotonde et retour D9  | DEJEUNER<br>DISCUSSIONS  | 12:30 - 13:30<br>Rotonde     | DEJEUNER   |
| 14:30 - 15:10<br>D9 salle C7          | <b>Quantum crit ... organic superconductors</b><br><b>C. BOURBONNAIS</b>         | 13:30 - 15:50                | EXCURSION,<br>DISCUSSIONS<br>et retour au bât D9   |
| 15:10 - 15:50<br>D9 salle C7          | <b>Engineering topological supercond...</b><br><b>P. SIMON</b>                   |                              |  |
| 15:50 - 16:30<br>D9                   | PAUSE-CAFE DISCUSSIONS   | 15:50 - 16:30<br>D9 salle C7 | <b>Specific heat in magnetic field: application to cuprates</b><br><b>C. MARCENAT</b>    |
| 16:30 - 16:45                         | <b>J. Camirand Lemyre</b>  | 16:30 - 17:10<br>D9 salle C7 | <b>Quantum materials for magnetic refrigeration</b><br><b>M. BALLI &amp; P. FOURNIER</b> |
| 16:45 - 17:00                         | <b>Sara Turcotte</b>   |                              |  |
| 17:00 -17:15                          | <b>Samuel Boutin</b>   |                              |  |
| 17:15 - 18:15                         | Publicité posters (3 min/poster)   | 17:10 - 17:50<br>D9          | PAUSE-CAFE DISCUSSIONS   |
| 18:15 - 18:25                         | Bât D9 -> Rotonde<br>Cocktail  | 17:50 - 18:50<br>D9 salle C7 | TABLE RONDE  |
| 18:25 - 19:45<br>Cafétéria<br>rotonde | POSTERS  | 18:50 - 19:00                | Bât D9 -> Rotonde  |
| 19:45 - 20:45<br>Rotonde              | DÎNER  | 19:00 - 20:15<br>Rotonde     | DÎNER  |
| 20:45 - 21:45<br>Cafétéria<br>rotonde | POSTERS<br>boissons,<br>discussions, ...   |                              |  |