



Quantum Materials Program Meeting
Hyatt Regency Hotel
1255 Rue Jeanne-Mance, Montréal, QC (514) 982-1234
7-10 May 2014
AGENDA

Wednesday 7 May

18:30-20:30 **Reception/Dinner**, Hyatt Regency, Imagination Room

Thursday 8 May, Soprano AB

07:00-08:15 **Breakfast**, Soprano C

08:30-09:15 Joseph THYWISSEN (Toronto) – *Spin transport in a unitary Fermi gas*

09:15-10:00 Tilman ESSLINGER (ETH Zürich) – *From terminal to terminal with atoms*

10:00-11:00 **Coffee Break**, Soprano Foyer

11:00-11:45 Mohit RANDEIRA (Ohio) *Skyrmions and spin textures in quantum materials and cold atoms*

11:45-12:30 Lindsay LEBLANC (Alberta) – *Simulating gauge fields in ultracold quantum gases*

12:30-14:00 **Lunch**, Saveur

14:00-14:45 Jeffrey QUILLIAM (Sherbrooke) – *New experimental routes to quantum spin liquid physics*

14:45-15:45 POSTER ADS

15:45-19:00 POSTER SESSION & COFFEE BREAK, Soprano C and Foyer

19:00-20:30 **Dinner for QM Program Members, Guests and Summer School Students at Hyatt Regency**, Saveur/Pavillon

Friday 9 May, Soprano AB

07:00-08:15 **Breakfast**, Soprano C

08:30-09:15 Darrell SCHLOM (Cornell) – *Towards room temperature magnetoelectric multiferroics in superlattices*

09:15-10:00 Harold HWANG (Stanford) – *Recent progress in high mobility superconducting 2DEGs in SrTiO₃*

10:00-11:00 **Coffee Break**, Soprano Foyer

11:00-11:45 George SAWATZKY (UBC) – *Resonant elastic and inelastic x-ray scattering studies in thin films*

11:45-12:30 Tami PEREG-BARNEA (McGill) – *Creating & characterizing topological superconductors – in theory*

12:30-14:00 **Lunch**, Saveur

Support for this CIFAR Quantum Materials Program Meeting has been generously provided by the Gordon and Betty Moore Foundation.

- 14:00-14:45 Ion GARATE (Sherbrooke) – *Phonon-induced topological insulation: theory and (some) applications*
15:00-19:00 POSTER SESSION & COFFEE BREAK, Soprano C and Foyer
19:00-20:30 **Dinner** – Self organized

Saturday 10 May, Soprano AB

- 07:00-08:15 **Breakfast**, Soprano C
08:30-09:15 Dave HAWTHORN (Waterloo) – *CDW order in YBCO & LBCO studied via resonant x-ray scattering*
09:15-10:00 Seamus DAVIS (Cornell) – *Visualizing transitions at the quantum critical point in cuprates*
10:00-11:00 **Coffee Break**, Soprano Foyer
11:00-11:30 Riccardo COMIN (UBC) - *Charge order, Fermi-arc instability, and bond order in cuprates*
11:30-12:00 Fazel TAFTI (Sherbrooke) – *A quantitative understanding of superconducting fluctuations in cuprates*
12:00-12:30 Eduardo DA SILVA NETO (UBC) – *Interplay between charge ordering and superconductivity in cuprates*
12:30-14:00 **Lunch**, Saveur
14:00-16:00 BUSINESS MEETING (*Program members and Advisors only*)
16:00-17:00 **Coffee Break**, Soprano Foyer
17:00 Departure

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