

Quantum Materials Program Meeting
Marriott Toronto Bloor, 90 Bloor St E, Toronto, ON (416) 961-8000
28-30 April 2016
Agenda

Wednesday 27 April

18:30-21:00 ARRIVAL, Reception at the Marriott Hotel -Yorkville Room

Thursday 28 April, Forest Hill Ballroom

07:00-08:45 **Breakfast, High Park Ballroom**

09:00-09:45 Phuan ONG (Princeton) – *The chiral anomaly in Dirac and Weyl semimetals: an introduction*

09:45-10:30 T. SENTHIL (MIT) – *From quantum spin liquids to composite Fermi liquids through topological insulators*

10:30-11:30 **Coffee Break, Yorkville Room**

11:30-12:15 Joe ORENSTEIN (Berkeley) – *Quasiparticle and collective dynamics in cuprates and pnictides*

12:30-14:30 **Lunch, High Park Ballroom**

(Advisory Committee Meeting, Executive Board Room)

14:30-15:15 Pierre RICHARD (Beijing) – *ARPES on Fe-based superconductors: what can we say ?*

15:15-15:45 POSTER ADS

15:45-19:00 POSTER SESSION & COFFEE BREAK, **High Park Ballroom**

19:00- **Dinner for QM Program Members, Guests and Summer School Students at the Marriott Hotel, Forest Hill Ballroom**

Friday 29 April, Forest Hill Ballroom

07:00-08:45 **Breakfast, High Park Ballroom**

09:00-09:45 Jeff TALLON (Wellington) – *Pseudogap in cuprate superconductors – what, when, why, where, how?*

09:45-10:30 Dan DESSAU (Colorado) – *Direct connection of ARPES with optics, transport, and thermodynamics experiments in cuprate superconductors: the key role of electron self-energies*

10:30-11:30 **Coffee Break, Yorkville Room**

11:30-12:15 Louis TAILLEFER (Sherbrooke) – *Normal-state signatures of the pseudogap quantum critical point*

12:30-14:30 **Lunch, High Park Ballroom**

14:30-15:15 Andrey CHUBUKOV (Minnesota) – *Preconditions for the axial charge order in the cuprates*
15:15-19:00 POSTER SESSION & COFFEE BREAK, **HIGH PARK BALLROOM**
19:00- **Dinner**, self-organized

Saturday 30 April, Forest Hill Ballroom

07:00-08:45 **Breakfast, High Park Ballroom**
09:00-09:45 Gil LONZARICH (Cambridge) – *The two-fluid model of the Kondo lattice and reconsideration of the Doniach phase diagram*
09:45-10:30 Peter ABBAMONTE (Illinois) – *Evidence for fluctuating charge order in optimally-doped Bi2212 from meV-resolved EELS*
10:30-11:30 **Coffee Break, Yorkville Room**
11:30-12:15 Andy MACKENZE (Dresden) – *Hydrodynamic electron flow in PdCoO₂ and graphene*
12:30-14:30 **Lunch, High Park Ballroom**
14:30-16:00 BUSINESS MEETING (*Program members and Advisors only*)
16:00-17:00 **Coffee Break, Yorkville Room**
17:00-18:30 FREE TIME
18:30- DEPARTURE