



# The 33rd International Symposium on Lattice Field Theory (Lattice 2015)

## Friday, 17 July 2015

### Applications Beyond QCD - 405 (14:00 - 16:00)

-Conveners: Eigo Shintani

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 14:00 | [7] Complex Langevin simulation in condensed matter physics   | YAMAMOTO, Arata      |
| 14:20 | [47] Domain-wall/overlap fermion and topological insulators   | Dr KIMURA, Taro      |
| 14:40 | [63] Chiral Magnetic Conductivity in an interacting lattice model of a parity-breaking Weyl semimetal | Mr PUHR, Matthias    |
| 15:00 | [64] Hybrid Monte Carlo simulations of graphene in external magnetic field                            | Dr ULYBYSHEV, Maksim |
| 15:20 | [78] Numerical simulations of graphene conductivity with realistic inter-electron potential           | Mr BOYDA, Denis      |
| 15:40 | [229] Lattice gauge theory treatment of strongly correlated Dirac semimetals                          | Dr ARAKI, Yasufumi   |

# Saturday, 18 July 2015

## Applications Beyond QCD - 404 (09:00 - 11:00)

-Conveners: Yasufumi Araki

| time  | [id] title   | presenter               |
|-------|--|-------------------------|
| 09:00 | [90] Effective action for the Abelian Higgs model for a gauge-invariant implementation on optical lattices | Dr BAZAVOV, Alexei      |
| 09:20 | [123] Schwinger Model Mass Anomalous Dimension   | KEEGAN, Liam            |
| 09:40 | [336] Study of the continuum limit of the Schwinger model using Wilson's lattice formulation               | Dr SHIMIZU, Yuya        |
| 10:00 | [67] Critical flavour number of the Thirring model in three dimensions                                     | Mr SCHMIDT, Daniel      |
| 10:20 | [305] Asymptotically free lattice gauge theory in five dimensions  | Dr KANAZAWA, Takuya     |
| 10:40 | [307] The gradient flow in simple field theories   | Dr MONAHAN, Christopher |