| **Friday December 11th**<br>*Nanoscience and Quantum Information seminar room* | |
|---|---|
| *9.30am* | *coffee in the foyer* |
| 10am | Professor James Ladyman (Bristol): *introduction*<br>Professor Sir Michael Berry FRS (Bristol): *Emergence and asymptotics in physics: how one theory can live inside another*<br>Dr David Wallace (Oxford): *comment* |
| 11.30am | Professor Basil Hiley (Birkbeck): *The Geometric Structure behind the Quantum Formalism: the Role of Clifford Algebras* |
| *1pm* | *lunch* |
| 2pm | Professor Lev Vaidman (Tel Aviv): *All is Ψ* |
| *3.15pm* | *coffee in the foyer* |
| 3.30pm | Professor John Hannay (Bristol): *Geometry in action* |
| *5pm* | *drinks at the Highbury Vaults* |
| *7pm* | *dinner at Sands* |

| **Saturday December 12th**<br>*3.21, Department of Physics* | |
|---|---|
| | |
| 10am | Professor Robert Batterman (Western Ontario): *Mathematical explanations: geometric phases and singular idealizations*<br>Dr Eleanor Knox (London): *comment* |
| 11.30am | Dr Jonathan Robbins (Bristol): *Indistinguishable particles: the spin-statistics relation in nonrelativistic quantum mechanics* |
| *1pm* | *sandwich lunch in the common room* |
| 1.45pm | Dr. Chris Philippidis (Bath): *The glue and the lubricant (the AB effect: a single step towards Bohm's physical geometry)* |
| 2.30pm | Professor Steven French (Leeds): *Distentangling mathematical and physical explanation* |
| *3.30pm* | *coffee in the common room* |
| 3.45pm-5pm | Dr Tim Palmer (Oxford and ECMWF): *The Invariant Set Postulate: a new geometric framework for the foundations of quantum theory and the role played by gravity* |