

JQC Launch Event

Wednesday 26 June 2013

Herschel Building, Newcastle University (Ground Floor)



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- 08:45 Arrival, putting up of posters
- 09:00 Session 1 (Chair - Simon Cornish)
- 09:00 Welcome and opening remarks, Charles Adams
 - 09:10 Mike Tarbutt, Imperial College - 'Laser cooling of molecules'
 - 09:50 Caroline Blackley, JQC - 'Ultracold molecule formation using Feshbach resonances'
 - 10:10 David Carty, JQC – 'Moving trap Zeeman deceleration of atoms and molecules'
- 10:30 Coffee and posters
- 11:10 Session 2 (Chair - Nick Parker)
- 11:10 Marc Brachet, ENS Paris – 'Turbulence in the two-dimensional Fourier-truncated Gross-Pitaevskii equation'
 - 11:50 Joy Allen, JQC - 'Techniques for generating quantum turbulence in trapped Bose-Einstein condensates'
 - 12:10 Anna Marchant, JQC – 'Controlled formation and reflection of bright solitary matter waves'
- 12:30 Buffet lunch and posters
- 14:00 Session 3 (Chair – Carlo Barenghi)
- 14:00 George Pickett, Lancaster - 'Tabletop cosmology, superfluid ^3He as a model of the Universe'
 - 14:40 Yuri Sergeev, JQC – 'Interpretation of Andreev scattering measurements in turbulent $^3\text{He-B}$: a theory and numerical analysis'
 - 15:00 Aidan Arnold, Strathclyde – 'Grating chips for quantum technologies'
 - 15:40 Kevin Weatherill – 'Non-equilibrium phase transition in a thermal gas'
- 16:00 Coffee and posters
- 16:40 Session 4 (Chair - Matt Jones)
- 16:40 Kai Bongs, Birmingham – 'Quantum sensors for gravity and time'
 - 17:20 David Szwed, JQC – 'Storage and control of optical photons using Rydberg polaritons'
 - 17:40 Liz Bridge, JQC – 'Rydberg blockade in strontium via narrow intercombination lines'
- 18:00 Brief concluding remarks, Nick Proukakis & Simon Gardiner