

Scientific Report about visit by Professor A Ustinov to Physics Department Loughborough University.

Professor Ustinov gave an extra Quantum Information seminar on Thursday 3 February 2005:

Thursday 3 February, 15.00, W0.03
Tunnelling of a single vortex and quantum computing
Alexey Ustinov (Erlangen)

He was speaking about the tunnelling of a single vortex and quantum dissociation of the vortex-antivortex pair. He was also telling about a new experimental test for nonlocal models in long Josephson junctions and various applications to quantum computers.

He was visiting Professor Feo Kusmartsev as part of the ESF network Arrays of Quantum Dots and Josephson Junctions
<http://www-staff.lboro.ac.uk/%7Ephrtg/aqdjj/>

During his visit he has contacted PhD students, Debby Dalton and others To have very intensive discussions. The plans for ESF network-programme "AQDJJ" has been also intensively discussed and constructed.

It was also established some plans for the future funding applications.

Please contact Feo <F.Kusmartsev@lboro.ac.uk> for further information.