QUANTUM COHOMOLOGY, SYMPLECTIC RESOLUTIONS, AND REPRESENTATION THEORY

LMS WORKSHOP, OXFORD, JULY 2011.

Mathematical Institute, L3

1. DAY 1

2:30-3:00pm:	Registration
3:00-4:00pm	Kevin McGerty
	Rational Cherednik algebras, Hilbert schemes, and microlocal KZ functors.
4:15-5:15 pm:	Tom Nevins
	Derived equivalences for quantised symplectic resolutions

2. DAY 2

Mathematical Institute, L3

10:0-11:00 am	Maurizio Martino
	Partial KZ functors for Cherednik algebras
11:00-11:30 am	Coffee
11:30-12:30 am	Balazs Szendroi
	Refined DT theory.
12:30-2:00 pm	Lunch.
2:00-3:00 pm	Sergey Mozgovoy,
	Motivic DT invariants and McKay correspondence.
3:00-3:30 pm	Coffee break
3:30-4:30 pm	Paul Johnson
	ELSV-type formulas
6:30 pm	Conference Dinner at Brasserie Blanc

3. DAY 3

Gibson Building, RI.1.63

10:00-11:00 am	Gwyn Bellamy
	Combinatorics of the isospectral commuting variety
11:30-12:30 pm	Discussion session on connections to physics and CFT.