

## GDEST - Conference: Poster Session

<b>Name</b>	<b>Title</b>
Abel, Benjamin	How fat is Schrödinger's cat?
Andersen, Ulrik	How to measure a coherent state with minimal disturbance
Clark, E. C.	Controlled Tunnel Hybridization of Excitations in individual Quantum Dot Molecules and Interlevel Phonon
Coish, W. A.	Single-triplet decoherence due to nuclear spins in a double quantum dot
Gaber, Tobias	Fractional Josephson vortices as candidates for the observation of macroscopic quantum effects
Gollub, Caroline	The role of anharmonicity and coupling in quantum computing based on vibrational qubits
Gräber, Matthias	Molecular states in a carbon nanotube double quantum dot
Heiss, Dominik	Spin Dynamics of Optical Stimulated Charges in InGaAs Self-Assembled Quantum Dots
Hessmo, Björn	Atom manipulation and detection on an atom chip
Hüttel, A. K.	Molecular one- and two-electron states in a double quantum dot
Hyllus, P.	Optimal entanglement witnesses for continuous-variable systems
Kakuyanagi, Kosuke	Coherence time measurement of a flux qubit near the degeneracy point
Kaniber, Michael	Imaging the local density of photonic states in photonic crystal nanocavities
Kohler, Sigmund	Coherence stabilization of one- and two-qubit gates by AC fields
Korff, Brigitte	MnBr (CO) <sub>5</sub> - a candidate for a molecular qubit system operated in the IR-regime
Lisenfeld, Jürgen	Observation of Rabi oscillations in a phase qubit
Loss, Daniel	Electron spin decoherence in single and double quantum dots
Mack, Rüdiger	Correlations in s-Waves
Mariantoni, Matteo	Generation of Microwave Single Photons and Homodyne Tomography on a Chip
Marquardt, Florian	Fermionic Mach-Zehnder interferometer subject to a quantum bath
Muschik, Christine	Quantum memory and two mode squeeze
Nussmann, Stefan	Cooling and positioning atoms within an optical cavity
Osterloh, Andreas	1) Entanglement monotones and maximally entangled states in multipartite qubit systems 2) Constructing N-qubit entanglement monotones from antilinear operators
Riedmatten, Hugues de	Measurement induced entanglement for excitation stored in remote atomic ensembles

Rinner, Stefan	Switchable Coupling for Cooper-Pair-Boxes inside Cavity and Generation of Tripartite Entangled States
Roscilde, Tommaso	Entanglement vs. factorization in spin systems with a quantum phase transition
Semba, Kouichi	Quantized Rabi frequencies observed in the superconducting flux qubit LC-harmonic oscillator system
Serban, Ioana	Phase-space theory for nonlinear detectors of superconducting qubits
Siewert, Jens	Adiabatic passage in superconducting nanocircuits
Schätz, Tobias	The ion-trap as an analog quantum Computer
Schauer, Volker	Real-valued representations in quantum mechanics and decoherence
Schuch, Norbert	Quantum states on Harmonic lattices
Schulte-Herbrüggen, Thor	Timeoptimal Quantum Compilation: from Network Complexity to Time Complexity via Optimal Control
Storz, Markus	Decoherence and optimization of multi qubit gates in solid state systems
Frank Wilhelm	Theory of decoherence, gates, and detection of charge states in lateral quantum dots
Venzl, Hannah	Estimation of phase and damping
Walther, Thomas	Proposal for a definite experimental test of the Bell inequalities
Weichselbaum, A.	Variational matrix product state approach to quantum impurity models
Weides, Martin	$0-\pi$ coupled Josephson junctions: a potential qubit system
Wendin, Göran	Qubit read-out using the quantum capacitance
Wilk, Tatjana	Indistinguishable Single Photons of Alternating Polarization
Wubs, Martijn	Landau-Zener transitions in qubits controlled by electromagnetic fields
Zhang, Jingfu	Implementation of the perfect state transfer speeded up by three-spin interactions using nuclear magnetic
Zibold, Tobias	Theory of Quantum computation based on Quantum Wires