IV Quantum optics and quantum foundations workshop

18-19 March 2004

Departments of Physical Chemistry and Theoretical Physics, UPV-EHU.

Funded by "Vicerrectorado del Campus de Vizcaya (UPV-EHU)"

Information: qfpmufrj@lg.ehu.es

Program¹

Thursday, March 18th

Chairman: J. G. Muga

Salón de Grados

15:00 Atom optics experiments with metastable rare gas atoms

Tilman Pfau (Stuttgart)

16:00 Quantum arrival times: A theoretical and experimental problem

Gerhard C. Hegerfeldt (Göttingen)

16:30 Coffe Break

17:00 Quantum dwell times and their measurement

Iñigo Egusquiza (UPV-EHU)

17:35 Towards operational quantum arrival times: Operator normalization and filtering

Dirk Seidel (Göttingen)

18:10 Simultaneous arrival of information in absorbing wave guides
Andreas Ruschhaupt (UPV-EHU)

21:00 Conference dinner

Friday, March 19th

Chairman: G. C. Hegerfeldt

Seminar Room of Theoretical Physics

9:30 Taming Chromium as an ultracold dipolar gas

Tilman Pfau (Stuttgart)

10:30 Quantum optical time of arrival model in three dimensions

Volker Hannstein (Göttingen)

11:00 Coffe break & blackboard session

11:45 Scattering with smooth potentials in one dimension

Jens-Timo Neumann (Göttingen)

12:20 Breakdown of classical conservation of energy in quantum collisions

J. Gonzalo Muga (UPV-EHU)

12:50 Closing words by G. C. Hegerfeldt

¹5-minutes breaks between talks except the longer "Coffee break"