

**Belgian Physical Society meeting  
ULB, May 21st 2008**

**Parallel session on  
Molecular & Atomic Physics and Optics & Photonics**

15:20-15:55

**Order from disorder: quantum chaos and its potential  
for robust quantum control**

Andreas Buchleitner

<sup>1</sup> *Institute of Physics, Quantum Optics and Statistics,  
Albert Ludwigs University of Freiburg, Germany,*

15:55-16:20

**Detection of minor constituents in the Venus atmosphere using infrared spectroscopy**

Arnaud Mahieux,<sup>1</sup> Rachel Drummond,<sup>1</sup> Valérie Wilquet,<sup>1</sup> Ann Carine Vandaele<sup>1</sup>

<sup>1</sup> *Belgian Institute for Space Aeronomy, Brussels, Belgium*

16:20-16:45

**Confining Light in a Subwavelength Thin Optical Waveguide**

Philippe Tassin, Irina Veretennicoff

*Vrije Universiteit Brussel, Pleinlaan 2, B-1050 Brussel, Belgium*

16:45-17:10

**Partial Angular Momenta, Unusual Commutation Relations and Elegant Kinetic Energy  
Operators for N-Atom Systems**

André Nauts,<sup>1,2</sup> and Fabien Gatti<sup>3</sup>

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Cedex 05, France*

17:10-17:35

**Operational monitoring of multi-qubit entanglement classes with trapped ions**

Th. Bastin,<sup>1</sup> Ch. Thiel<sup>2</sup>, J. von Zanthier<sup>2</sup>, L. Lamata<sup>3,4</sup>, E. Solano<sup>5,6</sup>, G. S. Agarwal<sup>7</sup>

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