



DEPARTAMENTO DE
GEOMETRÍA Y TOPOLOGÍA

Workshop on HIGHER SYMMETRIES IN PHYSICS



Instituto de
Matemática
Interdisciplinar

THURSDAY 6

9:00 *Registration and Welcome*

10:00 Microcourse J.A. de Azcárraga, *An introduction to Multi-bracket Algebras (Session 1)*

11:30 Microcourse M. Rausch, *Some Results on Cubic and Higher Order Extensions of the Poincare Algebra (Session 1)*

12:30 Talk J.F. Cariñena, *Symmetry and alternative structures in Physics*

15:30 Microcourse J. Figueroa, *Homogeneity conjecture in supergravity backgrounds (Session 1)*

17:00 Talk M.A. del Olmo, *Intertwining Symmetry Algebras of Quantum Superintegrable Systems*

18:00 Talk C. Tejero, *Quantum Hall Effect in Riemann Surfaces*

FRIDAY 7

9:30 Microcourse

J.A. de Azcárraga (Session 2)

10:30 Microcourse

M. Rausch (Session 2)

12:00 Talk E. Miranda, *Symmetries and Action-angle Coordinates for Poisson Manifolds*

13:00 Talk A.F. Costa, *Escherlike quasiperiodic heterostructures*

15:30 Microcourse

J. Figueroa (Session 2)

16:30 Talk J.P. Ortega, *Stochastic Hamiltonian Systems. Symmetries, Reduction and Skew-Products*

SATURDAY 8

9:30 Microcourse J.A. de Azcárraga (Session 3)

10:30 Microcourse M. Rausch (Session 3)

12:00 Microcourse J. Figueroa (Session 3)

13:00 Talk L.J. Boya, *Vafa's Theory of GUT and F-Theory*

Organizado por el Departamento de Geometría y Topología de la Universidad Complutense y el Instituto de Matemática Interdisciplinar.



6-8 de noviembre de 2008
Aula Miguel de Guzmán
Facultad de CC. Matemáticas, UCM