ELAF 2010 Activity Program

Monday July 26

8:30-9:30  Participants Registration

9:30-10:30  Inauguration Ceremony
The Latin American Schools of Physics 1959-2010
Octavio Castaños
Profile of Marcos Moshinsky
Guillermo Monsivais
Welcome Address
Octavio Novaro

10:30-11:30  Dynamical invariants in systems with and without
broken time-reversal symmetry
Dieter Schuch

11:30-12:00  Coffee

12:00-13:00  Application of time-dependent quantum mechanics to
atomic and mesoscopic systems
Tobias Kramer

13:00-14:00  Dynamical symmetries in the probability representation
of quantum mechanics
Vladimir Man’ko

14:00-15:30  Lunch

15:30-16:30  Quantum transients in tunneling phenomena
Gastón García-Calderón

16:30-17:30  The problem of successive measurements in
quantum mechanics
Pier A. Mello
ELAF 2010 Activity Program

Tuesday July 27

9:00-10:00  The Dirac (Moshinsky) oscillator: Theory and Applications
           Emerson Sadurní

10:00-11:00 Dynamical invariants in systems with and without broken time-reversal symmetry
             Dieter Schuch

11:00-11:30 Coffee

11:30-12:30 Application of time dependent quantum mechanics to atomic and mesoscopic systems
             Tobias Kramer

12:30-13:30 Dynamical symmetries in the probability representation of quantum mechanics
             Vladimir Man’ko

13:30-15:00 Lunch

15:00-16:00 Quantum transients in tunneling phenomena
             Gastón García-Calderón

16:00-17:00 Lamé spheroidal harmonics, the alternative base of angular momentum
             Eugenio Ley-Koo

17:00-17:30 Coffee

17:30-18:30 Elastic analogs of quantum systems
             Jorge Flores
ELAF 2010 Activity Program

Wednesday July 28

9:00-10:00  The Dirac (Moshinsky) oscillator: Theory and Applications
            Emerson Sadurní

10:00-11:00 Dynamical invariants in systems with and without broken time-reversal symmetry
             Dieter Schuch

11:00-11:30 Coffee

11:30-12:30 Application of time dependent quantum mechanics to atomic and mesoscopic systems
             Tobias Kramer

12:30-13:30 Dynamical symmetries in the probability representation of quantum mechanics
             Vladimir Man’ko

13:30-15:00 Lunch

15:00-16:00 Quantum transients in tunneling phenomena
             Gastón García-Calderón

16:00-17:00 Single Molecule Magnets
             Jorge G. Hirsch

17:00-17:30 Coffee

17:30-18:30 POSTERS
ELAF 2010 Activity Program

Thursday July 29

9:00-10:00 A.M.  The Dirac (Moshinsky) oscillator: Theory and Applications
Emerson Sadurní

10:00-11:00 A.M. Dynamical invariants in systems with and without broken time-reversal symmetry
Dieter Schuch

11:00-11:30 A.M. Coffee

11:30-12:30 A.M. Application of time dependent quantum mechanics to atomic and mesoscopic systems
Tobias Kramer

12:30-13:30 P.M. Dynamical symmetries in the probability representation of quantum mechanics
Vladimir Man'ko

13:30-15:00 P.M. Lunch

15:00-16:00 P.M. Quantum transients in tunneling phenomena
Gastón García-Calderón

16:00-17:00 P.M Lifting q-difference operators within the Askey scheme of basic hypergeometric polynomials
Natig Atakishiyev

17:00-17:30 P.M. Coffee

17:30-18:30 P.M. Classical analytic model for super-radiance by restoring Hamiltonian symmetry
Eduardo Nahmad
ELAF 2010 Activity Program

Friday July 30

9:00-10:00 A.M. The Dirac (Moshinsky) oscillator: Theory and Applications
Emerson Sadurní

10:00-11:00 A.M. Dynamical invariants in systems with and without broken time-reversal symmetry
Dieter Schuch

11:00-11:30 A.M. Coffee

11:30-12:30 A.M. Application of time dependent quantum mechanics to atomic and mesoscopic systems
Tobias Kramer

12:30-13:30 P.M. Dynamical symmetries in the probability representation of quantum mechanics
Vladimir Man’ko

13:30-15:00 P.M. Lunch

15:00-16:00 P.M. Quantum transients in tunneling phenomena
Gastón García-Calderón

16:00-17:00 P.M. New entropic uncertainty relations of quantum systems
Margarita Man’ko

17:00-17:30 P.M. Coffee

17:30-18:30 P.M. Spin squeezing in atomic systems
Diego Tielas
ELAF 2010 Activity Program

Monday August 2

9:00-10:00  Algebraic methods in molecular physics
            Renato Lemos

10:00-11:00 Symmetries in nuclei
             Piet Van Isacker

11:00-11:30 Coffee

11:30-12:30 Symmetries, supersymmetries, and pairing in nuclei
             Baha Balantekin

12:30-13:30 Symmetries in QCD in the hadronic world
             Adam Szczepaniak

13:30-15:00 Lunch

15:00-16:00 Physical and mathematical aspects of resonant states
             Osvaldo Civitarese

16:00-17:00 The Weinberg View: Gauge Symmetries and (Super) gravity
             Jeans Earler

17:00-17:30 Coffee

17:30-18:30 Soluble Models and hidden symmetries in QCD
             Peter O. Hess
ELAF 2010 Activity Program
Tuesday August 3

9:00-10:00 Algebraic methods in molecular physics
Renato Lemus

10:00-11:00 Symmetries in nuclei
Piet Van Isacker

11:00-11:30 Coffee

11:30-12:30 Symmetries, supersymmetries, and pairing in nuclei
Baha Balantekin

12:30-13:30 Symmetries in QCD in the hadronic world
Adam Szczepaniak

13:30-15:00 Lunch

15:00-16:00 Physical and mathematical aspects of resonant states
Osvaldo Civitarese

16:00-17:00 Symmetries of the unquenched quark model
Roelof Bijker

17:00-17:30 Coffee

17:30-18:30 Conformal anisotropic mechanics and the Horava
dispersion relation
David Vergara
ELAF 2010 Activity Program

Wednesday August 4

9:00-10:00 Algebraic methods in molecular physics
    Renato Lemus

10:00-11:00 Symmetries in nuclei
    Piet Van Isacker

11:00-11:30 Coffee

11:30-12:30 Symmetries, supersymmetries, and pairing in nuclei
    Baha Balantekin

12:30-13:30 Symmetries in QCD in the hadronic world
    Adam Szczepaniak

13:30-15:00 Lunch

15:00-16:00 Physical and mathematical aspects of resonant states
    Osvaldo Civitarese

16:00-17:00 Nuclear Structure using Radioactive Ion Beams
    Elizabeth Padilla Rodal

17:00-17:30 Coffee

17:30-18:30 POSTERS
ELAF 2010 Activity Program

Thursday August 5

9:00-10:00  Algebraic methods in molecular physics  Renato Lemus

10:00-11:00  Symmetries in nuclei  Piet Van Isacker

11:00-11:30  Coffee

11:30-12:30  Symmetries, supersymmetries, and pairing in nuclei  Baha Balantekin

12:30-13:30  Symmetries in QCD in the hadronic world  Adam Szczepaniak

13:30-15:00  Lunch

15:00-16:00  Physical and mathematical aspects of resonant states  Osvaldo Civitarese

16:00-17:00  The harmonic oscillator of optical aberrations  K. Bernardo Wolf

17:00-17:30  Coffee

17:30-18:30  Supersymmetric quantum mechanics and Painlevé IV equation  David J. Fernández
ELAF 2010 Activity Program
Friday August 6

9:00-10:00  Algebraic methods in molecular physics
            Renato Lemus

10:00-11:00 Symmetries in nuclei
             Piet Van Isacker

11:00-11:30 Coffee

11:30-12:30 Symmetries, supersymmetries, and pairing in nuclei
            Baha Balantekin

12:30-13:30 Symmetries in QCD in the hadronic world
            Adam Szczepaniak

13:30-15:00 Lunch

15:00-16:00 Physical and mathematical aspects of resonant states
            Osvaldo Civitarese

16:00-17:30 Closure ceremony
            Space-time symmetries: theoretical motivations
            and experimental searches for their possible violations
            Luis F. Urrutia

17:30-18:30 Wine of Honor