

# XI MEXICAN SCHOOL OF DGyFM-SMF

## PARALLEL TALKS

<b>Tuesday December 6</b>		
<b>Parallel A</b>		
<b>17:00</b>	<b>Kris Schroven</b>	<b>Toy model for relativistic accretion in Kerr-Newman space-time</b>
<b>17:20</b>	<b>Tula Bernal</b>	<b>Scalar Field Dark Matter in Clusters of Galaxies</b>
<b>17:40</b>	<b>Rebeca Martínez</b>	<b>Rapid Cosmological Simulations in Dark Mater Models</b>
<b>18:00</b>	<b>Javier D.Chávez</b>	<b>On the propagation speed of cylindrical gravitational waves</b>
<b>18:20</b>	<b>Jaime Mendoza Hernández</b>	<b>Análisis Post-Newtoniano para la detección de ondas gravitacionales usando datos de LIGO</b>
<b>18:40</b>	<b>Francisco S. Guzmán</b>	<b>Classifying the initial conditions of a GRB out of the Light Curve</b>
<b>19:00</b>	<b>José Antonio González</b>	<b>Estimation of the mass of a black hole accreting a hydrodynamic fluid using artificial neural networks.</b>

# XI MEXICAN SCHOOL OF DGyFM-SMF

## PARALLEL TALKS

Tuesday December 6

### Parallel B

17:00	Leonardo patiño	<i>Exploring the impact of the existent intense magnetic field on the quark-gluon plasma using gravitational methods.</i>
17:20	Isaac Díaz Saldaña	<b>Supersymmetric Corrections to Schwarzschild Black hole Entropy</b>
17:40	Gilberto Aguilar	<b>Stealth field in FLRW spacetime with non minimal derivative coupling</b>
18:00	Víctor M.Vázquez	<i>Alternative Formulation of FRW cosmology of scalar field in <math>F(R)</math> theories</i>
18:20	Daniel Flores	<i>Topological quantum numbers of dyonic Taub-NUT/Bolt-AdS spaces</i>
18:40	Luis Aragón	<b>On the interpretation of the modified Jutner distribution for a simple relativistic gas.</b>

# XI MEXICAN SCHOOL OF DGyFM-SMF

## PARALLEL TALKS

Thursday December 8

### Parallel C

17:00	Francisco Linares Cedeño	<i>Linear Perturbations for Scalar Field Dark Matter</i>
17:20	Luis Ureña	<i>New perturbative method for analytical solutions in single-field models of inflation</i>
17:40	Pierre-Henri Chavanis	<i>The Logotropic Model</i>
18:00	Nandan Roy	<i>Generalized Brans-Dicke Theory: A Dynamical Systems Analysis</i>
18:20	Ana A. Avilez-Lopez	<i>Testing Theories of Gravity with Vainshtein Mechanism on Large Scales</i>
18:40	José Socorro	<i>Cosmologies with scalar fields from higher dimensions: K-essence like</i>
19:00	Marco A. Reyes	<i>Beyond the SUSY harmonic oscillator, and intrinsic SUSY of the Dawson function</i>

# XI MEXICAN SCHOOL OF DGyFM-SMF

## PARALLEL TALKS

Thursday December 8

### Parallel D

17:00	Angel Garcia-Chung	<i>Polymer-Fourier quantization of the scalar field revisited</i>
17:20	David Vergara	<i>Instanton Solution on the Polymer Harmonic Oscillator</i>
17:40	Daniele Colosi	<b>Canonical Commutation Relations from General Boundary Quantum Field</b>
18:00	Yuri Bonder	<b>An algorithm for quantum gravity phenomenology.</b>
18:20	Gabriela Anaya González	<i>Aplicación del enfoque lagrangiano para el conteo de grados de libertad a la acción de Palatini-Holst</i>
18:40	Elías Castellanos Alcántara	<i>Bose--Einstein Condensates, Quantum Gravity and some other things</i>
19:00	Valeriy Dvoeglazov	<i>Generalized Equations and Their Solutions in the <math>(S,0)+(0,S)</math> Representations of the Lorentz Group</i>