

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:45	OPENING				MEETING ANYOG	
9:00-10:00	AARON ZIMMERMAN	LUC BLANCHET	JAVIER M. ANTELIS	LUIS LEHNER	RAFAEL PORTO	GUILLERMO VALDES (9:00-9:45)
10:00-11:00	AARON ZIMMERMAN	LUC BLANCHET	JAVIER M. ANTELIS	LUIS LEHNER	SIMONA GALLERANI	EMILIO TEJEDA (9:45-10:30)
11:00-11:30	C O F F E E					MICHELE ZANOLIN (10:30-11:15)
11:30-12:30	LUC BLANCHET	AARON ZIMMERMAN	LUIS LEHNER	JAVIER M. ANTELIS	MAURICIO BELLINI	COFFEE (11:15-11:45)
						SOMA MUKHERJEE (11:45-12:30)
12:30-13:30	LUC BLANCHET	AARON ZIMMERMAN	LUIS LEHNER	JAVIER M. ANTELIS	BRIAN O'REILLEY	SOUMYA D. MOHANTHY (12:30-13:15)
13:30-16:00	L U N C H					CLAUDIA MORENO (13:15-13:35)
16:00-16:30	PIERRE HENRI	DANIEL HOLZ	FREE AFTERNOON	PARALLEL SESION	OSCAR REULA (16:00-16:45)	RED ANYOG GROUP WORK SESIONS
16:30-17:00					ANDRÉS SANDOVAL	
17:00-17:30	ARGELIA BERNAL (17:30-18:45)					
17:30-18:00						
18:00-19:00						
19:00-20:00				DINNER 8:30 PM		



LECTURE COURSES

- Luis Lehner (Perimeter Institute, Canada): *Numeric Relativity*. (Slides)
- Mauricio Antelis (ITESM, México): *Data Analysis in Gravitational Waves*.
- Luc Blanchet (Institut d'Astrophysique de Paris, France): *Post Newtonian Analysis*. ([Slides](#))
- Aaron Zimmerman (Canadian Institute for Theoretical Astrophysics, Canada): *Quasinormal Modes*. ([Slides](#))

PLENARY TALKS

- *What are the galactic and extragalactic sources of the highest energy gamma rays*: Andrés Sandoval (IF-UNAM, México).
- *Seed Black Holes*: Simona Gallerani (Scuola Normal Superiore di Pisa-Italy).
- *Cosmology from gravitational wave standard sirens*: Daniel Holz (Stanford University-USA).
- *Effective field theory in gravity*: Rafael Oporto (DESY, Hamburg).
- *Detector Network*: Brian O'Reilley (LIGO, USA).
- *Gravitational Waves in inflation from a spinor fields*: Mauricio Bellini (Univ. Nac. Rio de la Plata, Argentina).
- *A generalized wave equation and its application to dark matter halos*: Pierre Henri (Université de Toulouse, France).
- *On necessary and sufficient conditions for strong hyperbolicity*: Oscar Reula (Univ. Nac. de Córdoba, Argentina).
- *Exact ghost-free bigravitational waves*: Eloy Ayón-Beato (CINVESTAV-México).

- *Generalizations of boson stars and the scalar field dark matter modes*: Argelia Bernal (Univ. de Guanajuato, México).
- *Gravitational Waves Network outreach*: Guillermo Váldez (Louisiana University, USA).
- *Efficient algorithm to search for gravitational waves from core collapse supernova*: Soma Mukherjee (University of Texas Rio Grande Valley, USA).
- *Detection and estimation of unmodeled gravitational waves chirps*: Soumya D. Mohanty (University of Texas Rio Grande Valley, USA).
- *Separation of binary stellar systems by tide forces of a supermassive black hole*: Emilio Tejeda (IA, UNAM, México).
- *Multimessenger astronomy for core collapse supernovae*: Michele Zanolin (Embry-Riddle aeronautical University, USA).
- *Status and future of the Thematic Network ANYOG*: Claudia Moreno (Universidad de Guadalajara, México).

* Talk in conjunction with MX-DARK MATTER

** Talk in conjunction with the ANYOG network workshop.

