

Enclosure 7

International Meetings



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We have 2 guests online

The Open Universe International Doctoral School

"The discovery of Black Holes"

*How the discovery of a Black Hole in GRB 190114C
and in M87 is modifying the human outlook from planet Earth*

June 10 - 14, 2019**ICRANet Seat at Villa Ratti (1, Avenue Ratti - 06000 Cimiez, Nice, France)**

Registration fee: € 300

[Program](#) [Invited speakers](#) [Photos](#) [Press releases](#)**Venues:****Prof. Murray Gell-Mann signing the wall of ICRANet Seat at Villa Ratti**
ICRANet Seat at Villa Ratti (7 June 2012)For information, please, contact ICRANet Secretariat:
secretariat@icranet.orgFor suggestions&comments write to the [Webmaster](#)

The Open Universe International Doctoral School

ICRANet Seat at Villa Ratti (1, Avenue Ratti - 06000 Cimiez, Nice, France)

	MONDAY 10	TUESDAY 11	WEDNESDAY 12		THURSDAY 13		FRIDAY 14
		<i>Chair:</i> ULISSES BARRES DE ALMEIDA	<i>Chair:</i> GIOVANNI LAMANNA		<i>Chair:</i> PAOLO GIOMMI		<i>Chair:</i> REMO RUFFINI
09:00 – 09:45		REMO RUFFINI <i>The energy extraction from Kerr black holes</i>	JORGE ARMANDO RUEDA HERNANDEZ <i>Self-similarity and power laws in GRB 190114C</i>	09:00 – 10:00	JORGE ARMANDO RUEDA HERNANDEZ	08:00 – 10:00	MIRABEL FELIX <i>Black Holes at the Dawn of the Universe</i>
							REMO RUFFINI <i>Concluding remarks</i>
10:00 – 10:45			Discussion	10:00 – 11:00	Discussion		
10:45 – 11:00			VIDEO MESSAGE FROM PROF. SIMONETTA DI PIPPO (<i>Director, UNOOSA</i>)				
11:00 – 11:30			Coffee Break	11:00 – 11:15	Coffee Break		
11:30 – 12:15			ELISA BERNARDINI <i>Neutrinos and multi-messenger observations</i>	11:15– 12:30	RAHIM MORADI <i>On the GeV radiation and inner engine of GRB 190114C</i>		
				12:30 – 12:45	Discussion		
12:15 – 12:30		Discussion	Discussion	12:45– 13:15	YU WANG <i>Classification of Seyfert galaxies with deep learning</i>		
12:30 – 14:30		Lunch Break at Villa Ratti		13:15 – 14:30	Lunch Break at Villa Ratti		
14:30 – 15:15		PAOLO GIOMMI <i>Open Universe for blazars</i>	JUAN DAVID URIBE SUAREZ <i>Neutrino oscillations in accretion flows</i>	14:30 – 15:00	YU WANG <i>Classification of Seyfert galaxies with deep learning</i>		
15:15 – 15:45			Discussion		GREGORY VERESHCHAGIN/ DAVID FUKSMAN <i>- On the role of a cavity in the hypernova ejecta of GRB 190114C</i> <i>- Radiative processes</i>		
15:45 – 16:00		Discussion	ARMAN TURSUNOV <i>Ultra-high-energy cosmic rays from supermassive black holes</i>	15:00 – 15:45			
15:45 – 16:15		Coffee Break	Coffee Break	17:00 – 17:30	Coffee Break		
16:15 – 17:15		YU WANG & YEN-CHEN CHEN <i>Classification of Seyfert galaxies with deep learning</i>	RAZMIK MIRZOYAN <i>Gamma-Ray and Multi-messenger highlights with MAGIC @ very high energies</i>	17:30 – 18:15	ZURAB BEREZHIANI <i>From neutron stars to black holes via dark matter</i>		
17:15 – 17:45		Discussion			EDUAR ANTONIO BECERRA VERGARA <i>The geodesic motion of S2 and G2 as a test of the fermion dark matter constituency of our galactic core</i>		
17:45 – 19:00		SHE-SHENG XUE <i>Revisit the black hole dyodosphere proposed for GRBs</i>	Discussion	18:15 – 19:00			
19:30	Dinner at CROUS Resto Les Collinettes (3, Avenue Robert Schumann)	Dinner at CROUS Resto Les Collinettes (3, Avenue Robert Schumann)	Dinner at CROUS Resto Les Collinettes (3, Avenue Robert Schumann)	19:30	Dinner at CROUS Resto Les Collinettes (3, Avenue Robert Schumann)		

16th Italian-Korean Symposium on Relativistic Astrophysics



**July 1-5, 2019
ICRANet Pescara
Italy**

The Italian-Korean Symposia on Relativistic Astrophysics is a series of biannual meetings, alternatively organized in Italy and in Korea since 1987. The symposia discussions cover topics in astrophysics and cosmology, such as gamma-ray bursts and compact stars, high energy cosmic rays, dark energy and dark matter, general relativity, black holes, and new physics related to cosmology.

16th Italian-Korean Symposium on Relativistic Astrophysics

July 1-5, 2019
ICRANet center (Pescara)

	MONDAY 1 GRBS AND SUPERNOVAE	TUESDAY 2 GRBS AND SUPERNOVAE	WEDNESDAY 3 BLACK HOLES	THURSDAY 4 GENERAL RELATIVITY AND GRAVITATION	FRIDAY 5 STRONG FIELD AND COSMOLOGY
Chair	HYUNG WON LEE	DONG-HAN YEOM	SHESHENG XUE	GREGORY VERESHCHAGIN	SUNG-WON KIM
09:00 – 10:00	REMO RUFFINI Opening remarks	STEFANO CAMPION Some aspects of high-energy particles emission from binary driven hypernovae	DONG-HAN YEOM Quantum gravitational aspects inside a black hole	LIANG LI	VLADIMIR BELINSKI
10:00 – 11:00	AERA JUNG Simulating a GEM X-ray Polarimeter	JORGE ARMANDO RUEDA HERNANDEZ	GREGORY VERESHCHAGIN On Bose-Einstein condensation in relativistic plasma	JIN YOUNG KIM Perturbation of a natural AdS wormhole in Einstein-Born-Infeld gravity	SHESHENG XUE
11:00 – 11:30	Coffee Break				
11:30 – 12:30	WANG YU GRB 190114C: most comprehensive portrait of gamma-ray burst	SUNG-WON KIM Creation and Evolution of Cosmological Horizons in FLRW Universe with Wormhole	JOSÉ FERNANDO RODRIGUEZ RUIZ Semi-analytical models of gravitational wave radiation: binary black holes and chirping stars	RAHIM MORADI On the high energy radiation and its possible origin in GRBs	COSTANTINO SIGISMONDI The Transit of Mercury and General Relativity: some technical aspects for the next event
				GABRIEL GOMEZ	
12:30 – 13:30		CHANG-HWAN LEE Tidal deformability of neutron stars and gravitational waves		HYUNG WON LEE Equation of motion for test particle in modified gravity	HYUNG WON LEE & REMO RUFFINI Conclusions
13:30 - 15:00	Lunch Break				
15:00 – 16:00	Free Afternoon	Free Afternoon	Free Afternoon	RAFAEL YUNIS Warm Dark Matter and the role of Self-Interactions in halo formation and cosmology	Free Afternoon
16:00 – 17:00					
17:00 – 18:00					
19:30			Official banquet Hai Bin wok restaurant (Viale Riviera Nord 44, 65123 - Pescara)		

