

QUARKS-2020

Wednesday 09 June 2021

Modification of Gravity: Theories and Observations: Morning Session (10:45-16:00)

time	[id] title	presenter
10:45	[160] Opening	RUBAKOV, Valery
11:00	[124] Minimalism in modified gravity	SHINJI, Mukohyama
11:40	[128] Superluminality in DHOST theories with extra matter	VOLKOVA, Victoria
12:20	[126] Mimetic Mix	VIKMAN, Alexander
13:00	[127] Torsion bigravity: a purely geometric modified theory of gravity	NIKIFOROVA, Vasilisa
13:40	[125] Perturbations of black holes in shift-symmetric scalar-tensor theories	KOBAYASHI, Tsutomu
14:20	Lunch	

Modification of Gravity: Theories and Observations: Evening Session (16:00-18:00)

time	[id] title	presenter
16:00	[129] Testing modified gravity using gravitational wave observations	TANAKA, Takahiro
16:40	[130] Fundamental physics and cosmology after the second LIGO-Virgo GW catalog	PORTER, Ed
17:20	[131] Dark Energy and GW observations	CREMINELLI, Paolo

Thursday 10 June 2021

Modification of Gravity: Theories and Observations: Morning Session (11:00-16:00)

time	[id] title	presenter
11:00	[132] New physics on the horizon? Recent developments and challenges in tests of dark compact objects	PANI, Paolo
11:40	[133] Black hole scalarization	SOTIRIOU, Thomas
12:20	[134] One, no one, and one hundred thousand: hairy black holes in shift symmetric theories	TRINCHERINI, Enrico
13:00	[135] Asymptotically flat hairy black holes in massive bigravity	VOLKOV, Mikhail
13:40	[136] Almost stable wormhole in beyond Horndeski theory	MIRONOV, Sergei
14:20	Lunch	

Modification of Gravity: Theories and Observations: Evening Session (16:00-18:40)

time	[id] title	presenter
16:00	[137] Black holes perturbations in modified gravity	LANGLOIS, David
16:40	[138] Trajectories of bright stars near the Galactic Center as a tool to test gravity theories	ZAKHAROV, Alexander
17:20	[139] Deformed Black Hole in Sgr A	ANSON, Timothy
18:00	[140] Testing the Kerr paradigm	BERTI, Emanuele

Friday 11 June 2021

Modification of Gravity: Theories and Observations: Morning Session (11:00-16:00)

time	[id] title	presenter
11:00	[144] Cosmological perturbations in Palatini formalism	YAMAGUCHI, Masahide
11:45	[141] Weak gravity in dark energy with energy and momentum couplings	TSUJIKAWA, Shinji
12:30	[142] Modified gravity in nonsingular cosmology	CAI, Yong
13:15	[165] Discussion	
13:30	Lunch	

Modification of Gravity: Theories and Observations: Evening Session (16:00-18:10)

time	[id] title	presenter
16:00	[147] Degeneracy, matter coupling and diffeomorphisms in scalar-tensor theories	DEFFAYET, Cedric
16:40	[146] Construction of inflationary models with the Gauss-Bonnet term	VERNOV, Sergey
17:20	[145] Genesis and bounce in Horndeski theories: strong gravity in the past	AGEEVA, Yulia
18:00	[166] Closing Remarks	