

CQeST 2022



Monday, June 27, 2022 - Friday, July 1, 2022

Scientific Program

Program Configuration

See Timetable

Invited Speakers

Chanyong Park (GIST)

Title: Holographic RG flow triggered by a classically marginal operator

O-Kab Kwon (Sungkyunkwan University)

Title: Inhomogeneous Couplings and Background Geometry in QFT

Sangmin Lee (Seoul National University)

Title: Scattering Amplitudes and their classical limits

Nakwoo Kim (Kyunghee University)

Title: Accelerating black holes and AdS/CFT

Euihun Joung (Kyunghee University)

Title: Colored JT gravity and its boundary reduction

Ki-Young Choi (Sungkyunkwan University)

Title: Interacting dark matter with neutrinos

Jong-Chul Park (Chungnam University)

Title: Cosmic-ray Neutrino Boosted Dark Matter

Anirban Biswas (CQeST)

Title: Scrutinising Dirac neutrino in CMB: An alternative road to Dark Matter

Stefano Scopel (CQeST)

Title: Searching for Dark Matter with White Dwarves

CQeST Speakers

Jeongwon Ho (CQeST)

Title: Toward Quantization of Inhomogeneous Field Theory

Hwajin Eom (CQeST)

Title: Analytic approach to the formation of a three-dimensional black string from a dust cloud

Mu-In Park (CQeST)

Title: About the symmetry in Horava Gravity

Nils Albin Nilsson (CQeST)

Title: A closed Universe in Horava gravity

Minkyoo Kim (CQeST)
Title: Fractons from DFT

Kevin Morand (CQeST)
Title: Identifying Riemannian singularities with regular non-Riemannian geometry

Somyadip Thakur (CQeST)
Title: cosmological tension and EFT

Eoin O Colgain (CQeST)
Title: A problem with Lambda-CDM cosmology

Velasco Sevilla Liliana Esther (CQeST)
Title: The Case for Generation Dependent Higgs doublets

Arpan Kar (CQeST)
Title: Indirect search for decaying dark matter: a generic approach

Sunghyun Kang (CQeST)
Title: Complementarity of experiments in the observation of dark matter-nucleon interaction experiments in non-relativistic effective theory

Lu Yin (CQeST)
Title: Reducing the H0 tension with exponential acoustic dark energy

Contributing talks

Sangpyo Kim (Kunsan National University)
Title: Will quantum cosmology resolve the Big Bang singularity?

Hyunseok Yang (GIST)
Title: Algebraic Properties of Riemannian Manifolds

Sunghoon Jung (Seoul National University)
Title: Hubble selection of the weak scale via de Sitter self-organized criticality

Yein Lee (Kyunghee University)
Title: Holographic duals of M5-branes on an irregularly punctured sphere

Yunseok Seo (Kookmin University)
Title: Impurity-Driven Metal-Insulator Transitions in Holography

Miok Park (IBS)

Title: Rectifying No-Hair Theorems in Gauss-Bonnet theory