香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education

"Mini-Bang" (SCIT2303)

Introduction	According to the Big Bang theory, the early universe is hot and dense, and many massive particles were created, some of which may remain as dark matter today. To study the hot and dense state of matter, once can collide particles at high energy, to make a mini-bang in the laboratory. The Large Hadron Collider (LHC) at CERN is the most powerful accelerator in the world. It has just completed its Run 2 with an unprecedentedly high collision energy and intensity. A window of opportunities to discover new physics that may revolutionize our understanding of the fundamental structure of matter and the universe has opened up! Prof Ming-chung Chu will introduce at an elementary level the range of new physics that LHC experiments will look for. The talk will also introduce Physics Study Tour 2020 (ILO/011). The speaker, Professor Ming-chung Chu, obtained his B.Sc. and PhD degrees both at California Institute of Technology (Caltech). He held research positions at MIT and Caltech before joining the Chinese University of Hong Kong in 1995, where he is currently a full professor in physics. He is a co-founder of the Daya Bay Reactor Neutrino Experiment and the leader of the Hong Kong ATLAS group that carries out experiments at the Large Hadron Collider at CERN. His current research interest includes astrophysics, cosmology, and particle physics. This talk is co-organized with Department of Physics, CUHK.
Programme Type	Intermediate Talk in Astronomy (NON Token-required)
Speaker	Professor Ming-chung Chu (Department of Physics, The Chinese University of Hong Kong)
Target Participants	➢ S4 – S5 HKAGE student members ➢ Class size: 50 * *First-come, first-served*
Language	Cantonese
Application Deadline	~~10 Feb 2020, 12:00 n.n.~~ **17 Feb 2020, 12:00 n.n.**
Schedule	Date: 22 Feb 2020 (Saturday) Time: 2:00 p.m. - 3:30 p.m. ~~(Please arrive at 1:45 p.m. for registration)~~ Venue: ~~Esther Lee Building LT1, The Chinese University of Hong Kong (Map)~~ Changed to online lecture (Details will be sent to the applicants via email)
Enquiries	For enquiries, please contact us at 3940 0101 after language selection, press "1".