

# **The 1st Thai-CTA workshop on Astroparticle Physics**



**Saturday 16 February 2019 - Friday 22 February 2019**  
**Kantary Hills (& AstroPark for the pre-workshop)**

## **Scientific Programme**

The workshop consists of lectures and hands-on practical sessions cover topics in Astroparticle Physics, High-Energy Astrophysics, Gamma-ray astronomical data analysis and the Cherenkov Telescope Array (CTA).

## **Pre-workshop mini-school**

1. Introduction to Particle Physics
2. Dark Matter Particle
3. Introduction to High-Energy Astrophysics
4. Introduction to Cosmology

## **Main Workshop**

1. Astroparticle & High-Energy Astrophysics
2. Gamma-ray astronomy
  - 2.1 Observational Techniques
  - 2.2 Cherenkov Telescope Array
  - 2.3 Data Analysis with Ctools and GammaPy
3. Dark Matter Indirect Detection and Exotic Physics