



千葉大学大学院理学研究院附属

ハドロン宇宙国際研究センター

International Center for Hadron Astrophysics

# July ICEHAP Seminar

**Date** July. 5th Friday 14:00~16:00

**Location** ICEHAP Office (Engineering Research Bldg.1 Room609-1)

**By** Mareki Honma (National Astronomical Observatory of Japan)

**Title**

**『The shadow of M87's super-massive black hole revealed by EHT』**

## Abstract

On 10 April 2019, the first-ever image of a black hole shadow has been released. The image, taken by the Event Horizon Telescope toward M87's core, shows a ring-like structure corresponding the photon-sphere of the black hole. The image shows a clear depression of its intensity at the ring center, the shadow of a black hole, demonstrating that even light cannot escape from a black hole. In this talk, I would like to summarize the EHT results on M87, by describing the properties of images as well as details of observations and data analysis.

**Location:** Neutrino Astrophysics Department

@ Engineering Research Bldg. 6<sup>th</sup> floor



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