

The Conceptual Introduction to Black Holes

The talk is about the very familiar, but only a little known astronomical object, the black holes. They could be mostly described classically by Schwarzschild metric, from which almost every property of them would be derived. We focus on the introduction to concepts, especially about the observable phenomena. We can identify black holes in two different kinds by whether rotating one or not. There are three parameters describing the macroscopic phenomena of rotating black holes, mass, electric charge, and angular momentum, which would be dealt in the talk in detail. Hawking radiation, essentially non-classical phenomenon would be introduced in the final step.

Primary author: Mr KANG, MoonJeong (Yonsei Univ.)

Presenter: Mr KANG, MoonJeong (Yonsei Univ.)