

APCTP SEMINAR

Superradiant instability and black resonators

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October 28th (Thu.) 16:00 (KST)

Online via ZOOM

Rotating AdS black holes can be unstable due to superradiant instability. It has been found that time-periodic black holes, named black resonators, branch off from the onset of gravitational superradiant instability. I will talk about the black resonator obtained from the 5D equal-spinning Myers-Perry-AdS black hole and given by a simple cohomogeneity-1 metric. Taking also into account the superradiant instability of scalar fields, I will construct solutions with scalar hair, called hairy black holes and hairy black resonators.

■ ZOOM Webinar

- 1) Please register through this ZOOM link
<https://us06web.zoom.us/meeting/register/tZAtfu2urDMpGtflmXzAXB-GODQm0AQXNtZP>
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