

# Charged Nariai black holes on the dark bubble

*Thursday, 27 June 2024 17:15 (15 minutes)*

In this talk, I discuss how a charged Nariai black hole arises in the dark bubble scenario, as a brane embedding in an AdS5 black string background. The construction allows us to identify the U(1) gauge coupling, arising from the D3-worldvolume gauge theory, in terms of the string coupling and gives the same relation as was found previously for microscopic black holes.

**Presenter:** VAN HEMELRYCK, Vincent

**Session Classification:** Parallel session