

Uniqueness Theorem for Einstein-Maxwell Black Holes with Kaluza-Klein Asymptotic

S. Yazadjiev

*Dept of Theoretical Physics, St. Kl. Ohridski University of Sofia
4 James Bourchier Blvd., 1164 Sofia, Bulgaria*

We prove a uniqueness theorem for stationary multi black hole configurations with Kaluza-Klein asymptotic in a certain sector of 5D Einstein-Maxwell gravity. We show that such multi black hole configurations are uniquely specified by the interval structure, angular momenta of the horizons, magnetic charges and the magnetic flux.

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