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## Magnetic black holes and traversable wormholes

*Saturday, August 29, 2020 4:00 PM (1 hour)*

We will discuss the physics of magnetically charged black holes. If we have charged massless fermions, there is a large number of effectively two-dimensional fields that give rise to interesting effects. An interesting effect is that they lead to a controllable construction of traversable wormholes without the addition of exotic matter. For the matter of the Standard Model, these wormholes are microscopic. On the other hand, with matter described by a suitable version of the Randall-Sundrum model, they could be traversed by a human.

<https://inspirehep.net/literature/1811920>

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