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The Particle nature of Mini Black Hole at LHC

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We discuss quantum mechanical directions where a mini black hole at LHC behaves like a “particle”, even if with a unique property: its linear size grows with the energy. The curved dynamics is explained in terms of a particle moving in gravitational potential. The particle turning-points match the radius of the inner and outer horizons of a Reissner–Nordström black hole. Further we compute a particular form of the wave function and determine the energy spectrum in present talk.

Summary

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