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Ultraluminous X-ray Sources in Nearby Galaxies

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<p>For many Galactic black hole binaries, there exists kinematic data that constrain the black hole masses to be within the stellar-mass regime. However, due to their extragalactic distances, ultraluminous X-ray sources (ULXs) have no such available dynamical information. Hence, in order to constrain the system parameters, we must use indirect methods. We present an analysis of recent observations which suggest that, rather than being powered by intermediate-mass black holes, ULXs may represent an extreme form of ”conventional” stellar-mass black holes.

Level (Hons, MSc,
   PhD, other)?

PhD

Consider for a student
   award (Yes / No)?

No

Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

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