

## **Looking for black holes**

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This year's Nobel prize in Physics has been awarded for research on understanding Black holes both through theory and observation. Black holes are the most extreme environments in nature, where the force of gravity is so strong that even light cannot escape. Since we observe the rest of the Universe through light, black holes must be directly unobservable. In the last decade, direct evidence of black holes have been found in many ways. I will outline some of these methods, and their connection with past, present and future research and opportunities in India.