### Script for ESOcast Light 220: Closest Black Hole to Earth Found

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**Title: Closest Black Hole to Earth Found**

1. Using the MPG/ESO 2.2-metre telescope at La Silla Observatory, a team of astronomers has discovered a **black hole** lying just **1000 light-years** from Earth.

2. The black hole, which has about four times the mass of the Sun, is **closer** to our Solar System than **any other found to date**.

3. The invisible object is part of a **triple system** where its two companions can be seen with the **naked eye**.

4. The team originally observed the system, called HR 6819, as part of a study on **double-star systems**...

   ...however, their observations revealed the presence of a **third, previously undiscovered body**: a black hole.

5. The discovery of the black hole in HR 6819 provides clues for locating where **other hidden black holes** in the Milky Way might be.

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[Outro]

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