

Script for ESOCast Light 146: MUSE Discovers Sleeping Black Hole in the Heart of a Globular Cluster

<p>[Visual starts]</p> <p>New ESOCast intro</p>	<p>New ESOCast introduction Incl ESO logo</p>
<p>Title: MUSE Discovers Sleeping Black Hole in the Heart of a Globular Cluster</p>	
<p>1. Astronomers using MUSE on ESO's Very Large Telescope spotted a star behaving very oddly in a huge star cluster.</p>	
<p>2. This star is being flung forwards and backwards at hundreds of thousands of kilometres per hour!</p>	
<p>3. It's orbiting an invisible object with over four times the mass of the Sun — a hiding black hole!</p>	
<p>4. Black holes are usually detected from the surrounding very bright material interacting with them.</p>	
<p>5. But this black hole is invisible — only the peculiar motion of the orbiting star gives its location away.</p>	
<p>6. The discovery suggests there may be many more black holes lurking in globular clusters than expected...</p>	
<p>7. ... and MUSE provides the best way to find them!</p>	

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[Outro]

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