

# Script for ESOcast Light: ESO Telescope Captures Disappearance of Massive Star

<b>ESOcast Light</b>	
<b>[Visual starts]</b>	
<b>New ESOcast intro</b>	New ESOcast introduction
<b>Title: ESO Telescope Captures Disappearance of Massive Star</b>	
1. Using ESO's Very Large Telescope astronomers have discovered the <b>absence of a massive star</b> in the Kinman dwarf galaxy.	
2. Various scientists studied the star between 2001 and 2011.  But when astronomers pointed the VLT to the galaxy in 2019, they could <b>no longer find</b> the <b>telltale signatures</b> of the star.	
3. One possible explanation for the disappearance is that the star became <b>less luminous</b> and <b>partly hidden by dust</b> .	
4. Alternatively, the star may have <b>collapsed</b> into a black hole <b>without producing a supernova explosion</b> .  This would be the <b>first detection</b> of a massive star <b>ending its life in this manner</b> .	
5. <b>Future studies</b> with telescopes such as ESO's ELT are needed <b>to confirm what fate</b> this star met.	
<b>[Outro]</b>	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>

