



ILLUSTRATION

### GW170817

Astronomy entered a new age with the discovery of gravitational waves from space in 2015. Another major step was achieved when scientists also detected light from a gravitational wave source, known as GW170817, less than two years later. Chandra observations of this historic object provided evidence that this was caused by the merger of two neutron stars as depicted in the artist's illustration. The change in brightness of the X-rays seen by Chandra over time (bottom panel) suggests that the event also formed a new black hole.

## JUNE 2019

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