



Department of Physics and Astronomy  
SPRING 2022 Colloquium Series

# “Gamma-Ray Bursts and Gravitational Waves”

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Gamma-Ray Bursts are the most powerful explosions in the Universe, releasing as much energy in under a minute as the Sun will over its entire lifetime. In 2017, gravitational waves detected by LIGO helped prove that short GRBs are produced by the merger of two neutron stars. I will discuss how this connection was made, what we've learned about GRBs from this event, and the prospects for finding more LIGO GRBs in the future.

Thursday, March 3, 2022  
4:00 - 5:20PM

Talk will be via Zoom - contact [physics@csus.edu](mailto:physics@csus.edu) for links or visit our Colloquium Spotlight at [www.csus.edu/physics](http://www.csus.edu/physics)

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