



**NEWS RELEASE**  
**North Olympic Library System**  
**2210 South Peabody Street**  
**Port Angeles, WA 98362**

## **FOR IMMEDIATE RELEASE**

Date: March 27, 2023  
Contact: Adrienne Langan, Librarian  
360.417.8500 x7752; ALangan@nols.org  
Re: Science Talk: Gravitational Waves with LIGO on April 17  
Attached: *LIGO\_StarBlackHole\_CarlKnox.jpg*

LIGO Hanford Observatory science educator Cassidy Eassa will give a talk about the fascinating physics, astronomy, and engineering necessary for one of the most sophisticated scientific instruments ever built to detect gravitational waves. The free presentation is offered by the North Olympic Library System (NOLS) on Monday, April 17 from 7-8pm at the Port Angeles Main Library. No registration is needed.

In 2015, LIGO (Laser Interferometer Gravitational-Wave Observatory) made the first-ever direct detection of gravitational waves—ripples in space-time produced by the distant collision of two black holes 1.6 billion years ago. Since that first detection LIGO/Virgo has announced 89 additional events, including the groundbreaking detection of a binary neutron star merger in 2017. Eassa will discuss how LIGO detects gravitational waves, the latest results from LIGO and Virgo's third observing run, and what's next for gravitational wave science!

For more information, visit [www.nols.org/LIGO](http://www.nols.org/LIGO), call 360.417.8500, or email [discover@nols.org](mailto:discover@nols.org).



*Artistic image inspired by a neutron star–black hole merger. Image courtesy of LIGO; credit: Carl Knox OzGrav, Swinburne University.*

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