

**Observations of a Binary Neutron Star Merger**

**Joseph Giaime**

**LIGO/Louisiana State University**

**Host: Juhan Frank**

**3:30 PM Thursday, October 26, 2017**

**109 Nicholson Hall**

**Refreshments served at 3:10 PM in 232 (Library) Nicholson Hall**

**On August 17, 2017, three gravitational-wave detectors, many electromagnetic instruments and optical telescopes, saw the merger of a binary neutron star system and its aftermath. These observations and those from numerous follow-up**

- < **Xun Jia, Shuyuan Zhang, Raman Sankar, Fang-Cheng Chou, Weihua Wang, K. M. Goh, and G. Y. Ruo. 'Anomalous Acoustic Surface Plasmon from Topologically Protected States.'**

# SATURDAY SCIENCE

## Solar Eclipses That Changed History

A free public lecture by  
Dr. Bradley E. Schaefer



### About the Lecture

Astronomy at LSU, Dr. Brad Schaefer

Professor  
Physics &  
Astronomy  
at the seventh grade.

August, many of us saw  
the Sun in a solar eclipse.

In ancient times, eclipses were viewed  
as the death of some 'sun god', and were always  
most fearsome and evil omens. As  
eclipses have made history in famous events

the Moon pass in front of the

In modern times  
wonder, but in no  
as deeply bad omen

look like  
the moon  
such

the Sun would be slightly shifted  
his prediction was famously confirmed  
Arthur Eddington at a solar eclipse in Brazil in May  
1919, with Einstein being glorified  
in the 1970's, huge numbers of people started going  
to totality, to see the beauty and awesomeness and  
grandeur. This all climaxed on 21 August, when about  
7 million people travelled to see the  
Schaefer was one of them, going to

watch

Dr.  
Schaefer

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