

The *Weekly Dome Report*

Week of October 7th, 2019 Volume 13 Space News and Stuff

Upcoming Events:

Monday, Oct. 7th

6pm: Mythology Monday

Tuesday, Oct. 8th

6pm: Tall-Tale Tuesday

Saturday, Oct. 12th

No shows!

Have a great Mid-Term Break!

FOLKLORE GALORE!

You've heard of Mythology Monday, now get ready for **Tall-Tale Tuesday!** Join us every Tuesday night at 6pm for an evening of story-telling. It's free and fun, so come check us out!

FREE JOKES:

Why did the sun go to school?

To get brighter!

What do planets like to read?

Comet books!

Why did people not like the restaurant on the moon?

Because there was no atmosphere!

COLLIDING GALAXIES

DISTURBANCES IN THE FORCE (OF GRAVITY)

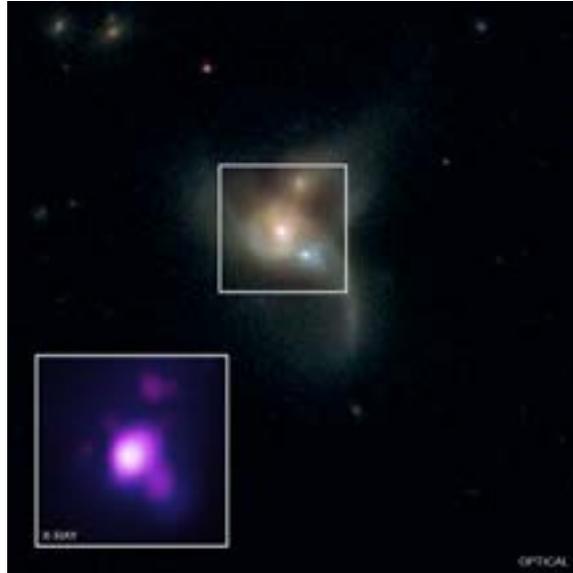


Image credit: NASA

Scientists in recent years have been detecting gravitational waves by using detectors on Earth's surface. Gravitational waves are ripples in space-time that were first proposed by Albert Einstein in 1916. He did not know if we would be able to ever detect them, if they even existed. However, scientists have finally been able to detect them, and they are helping us form answers about the nature of the universe in regards to matter, black holes, and other things.

Scientists have been searching for black holes that are merging, as they produce these gravitational waves, and while looking for a duo of black holes, they found a triplet of black holes. The black holes in question are supermassive black holes that contain millions of suns worth of mass, and each is surrounded by an entire galaxy. Only one of the galaxies almost certainly contains a black hole, but the other are very likely to contain one as well.

Viewing such a collision or merging of these three systems would provide great insight into the formation of supermassive black holes, and might help questions about the early universe.

Read more at Space.com

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See you on Saturday!