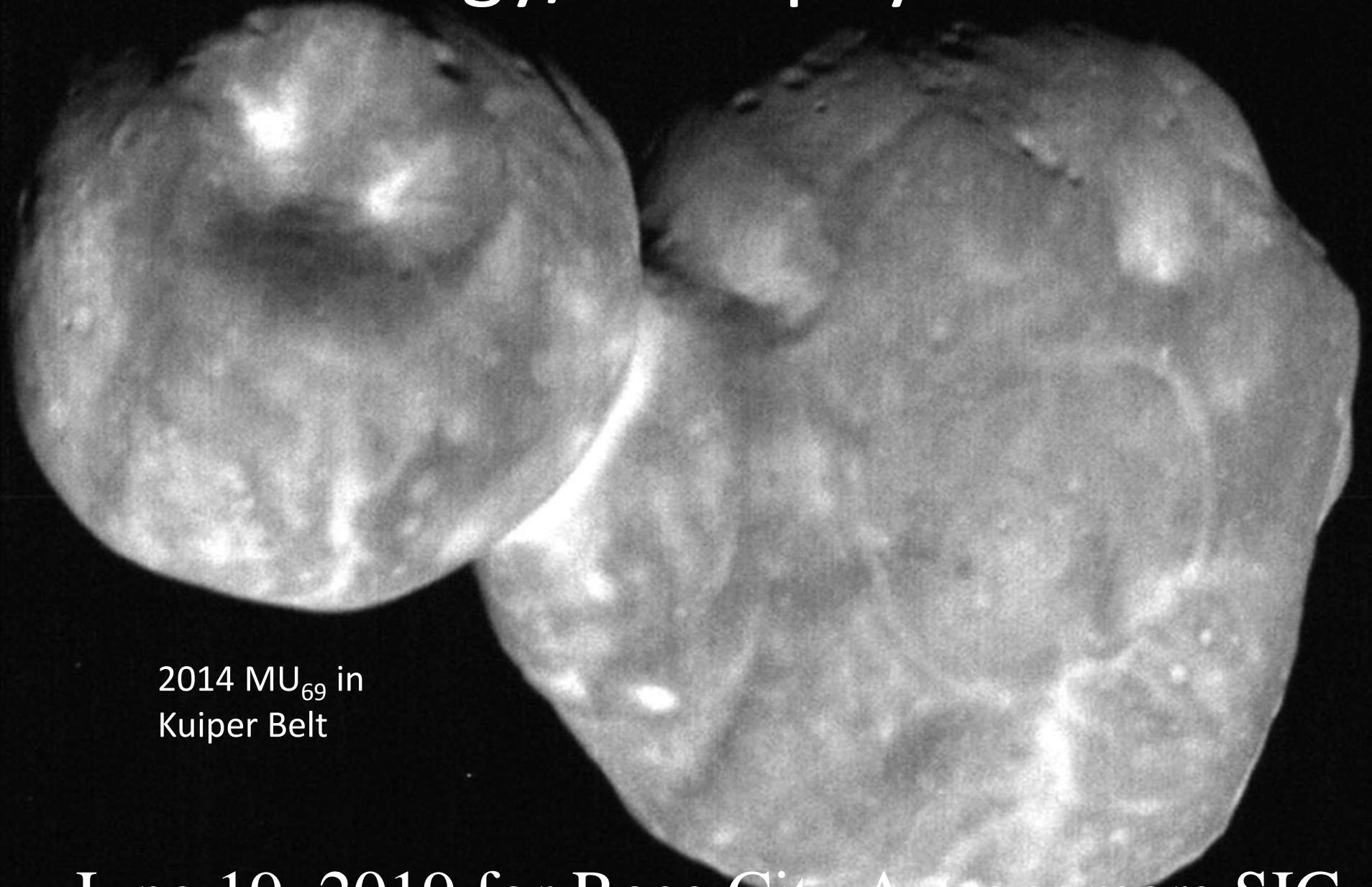


Cosmology/Astrophysics News



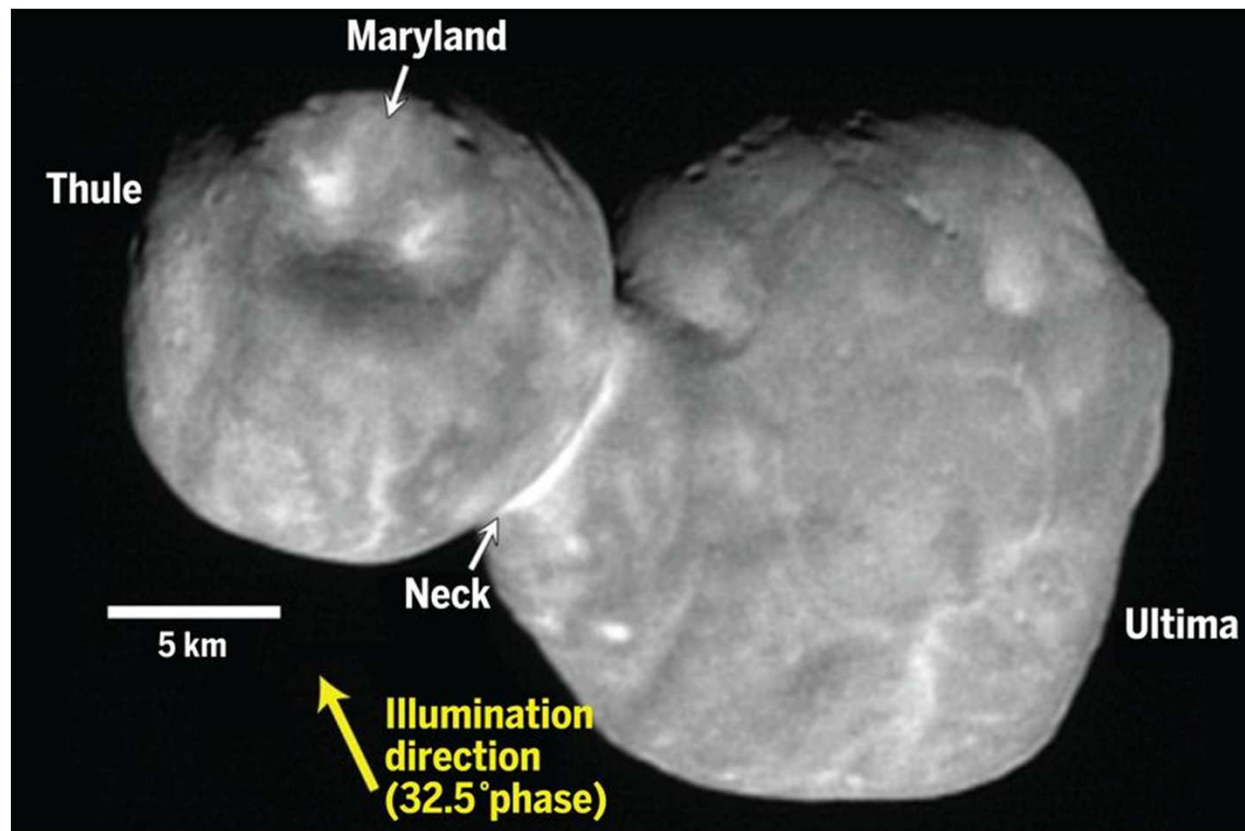
2014 MU₆₉ in
Kuiper Belt

June 19, 2019 for Rose City Astronomers SIG

<http://101iq.com/RCA>

Science – May 17, 2019

- Initial results from the New Horizons exploration of 2014 MU₆₉, a small Kuiper Belt object
 - <http://dx.doi.org/10.1126/science.aaw9771>



Nature – May 23, 2019

- Fast and inefficient star formation due to short-lived molecular clouds and rapid feedback
 - <https://doi.org/10.1038/s41586-019-1194-3>
- The rheology and thermal history of Mars revealed by the orbital evolution of Phobos
 - <https://doi.org/10.1038/s41586-019-1202-7>

Science – May 24, 2019

- A hunt for long-lived particles ramps up at LHC – may currently be missing many events
 - <https://science.sciencemag.org/content/364/6442/715>

Nature – May 30, 2019

- Dark matter missing in galaxy NGC 1052-DF₂
 - <https://www.nasa.gov/feature/goddard/2018/dark-matter-goes-missing-in-oddball-galaxy>
 - <https://www.nature.com/articles/nature25767>
 - http://hubblesite.org/news_release/news/2018-16
- Quantum simulation of black-hole radiation
 - <https://www.nature.com/articles/d41586-019-01592-x>
 - <https://www.nature.com/articles/s41586-019-1241-0>

Science – May 31, 2019

- Predicting Sun's 11 year cycle peak
 - <https://science.sciencemag.org/content/364/6443/818>

Nature – June 6, 2019

- Volcano changed the face of Mars
 - <http://doi.org/c6js>
- The race to Venus
 - <http://epizodyspace.ru/bibl/inostr-yazyki/science/2019/6/2019-6.pdf>
- Revisiting the cold case of cold fusion
 - <http://doi.org/10.1038/s41586-019-1256-6>
- A cool accretion disk around the galactic center black hole
 - <http://doi.org/10.1038/s41586-019-1242-z>

Science – June 7, 2019

- A radio ridge connecting two galaxy clusters in a filament of the cosmic web
 - <https://science.sciencemag.org/content/364/6444/981>
- New pentaquarks hint at zoo of exotic matter
 - <https://science.sciencemag.org/content/364/6444/917>

Nature – June 13, 2019

- Spinning black hole aligns disk of gas around it
 - <https://www.nature.com/articles/d41586-019-01812-4>
- A German–Russian mission called SRG (Spectrum-Roentgen-Gamma) will detect millions of supermassive black holes, many new to science, and hundreds of thousands of stars by mapping x-rays of universe.
 - <https://www.nature.com/articles/d41586-019-01831-1>

Miscellaneous

- July meeting will be July 10 (1 week early)
- No meeting August
- September 18 – normal meeting day