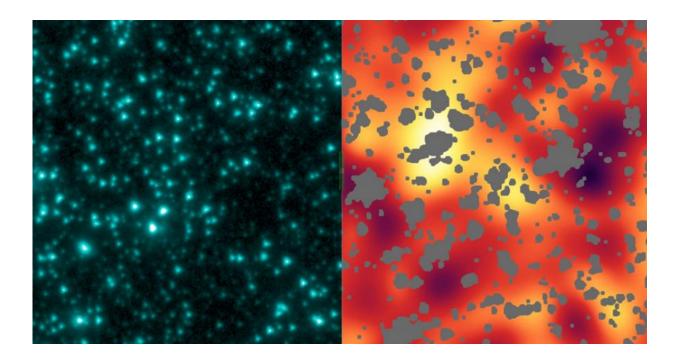
## Best of Last Week – Possible fifth force of nature, India launches mini shuttle and how money matters in relationships

May 30 2016, by Bob Yirka



Left: This image from NASA's Spitzer Space Telescope shows an infrared view of a sky area in the constellation Ursa Major. Right: After masking out all known stars, galaxies and artifacts and enhancing what's left, an irregular background glow appears. This is the cosmic infrared background (CIB); lighter colors indicate brighter areas. The CIB glow is more irregular than can be explained by distant unresolved galaxies, and this excess structure is thought to be light emitted when the universe was less than a billion years old. Scientists say it likely originated from the first luminous objects to form in the universe, which includes both the first stars and black holes. Credit: NASA/JPL-Caltech/A. Kashlinsky (Goddard)

(ScienceX)—It was another interesting week for physics as a team of physicists at the University of California suggested that work done by another team of researchers in Hungary last year might have inadvertently revealed the possibility of <u>a fifth force of nature</u>—a supershort force carried on a protophobic X boson.

Also, NASA astrophysicist Alexander Kashlinsky suggested there might be a possible link between primordial black holes and dark matter—noting that it might explain why there are so many noticeable merging black holes. And a trio of researchers, two with the Max Planck Institute and the other with Scuola Internazionale Superiore di Studi Avanzati offered a loop quantum gravity theory that offers a glimpse beyond the event horizon by applying a second quantization formulation. A team at the U.S. DoE's SLAC National Accelerator Laboratory released the first movies of droplets getting blown up by an X-ray laser, which, they say, may lead to better understanding the dynamics of the explosions.

And finally, if you have ever suspected that money might have an impact on a potential romantic relationship, a team of <u>researchers</u> working in Hong Kong found evidence that suggested that <u>money really does matter in relationships</u>—impacting not only mate choice but how desirable people already in relationships see one another.

## © 2016 ScienceX

Citation: Best of Last Week – Possible fifth force of nature, India launches mini shuttle and how money matters in relationships (2016, May 30) retrieved 9 July 2025 from <a href="https://sciencex.com/news/2016-05-week-nature-india-mini-shuttle.html">https://sciencex.com/news/2016-05-week-nature-india-mini-shuttle.html</a>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.