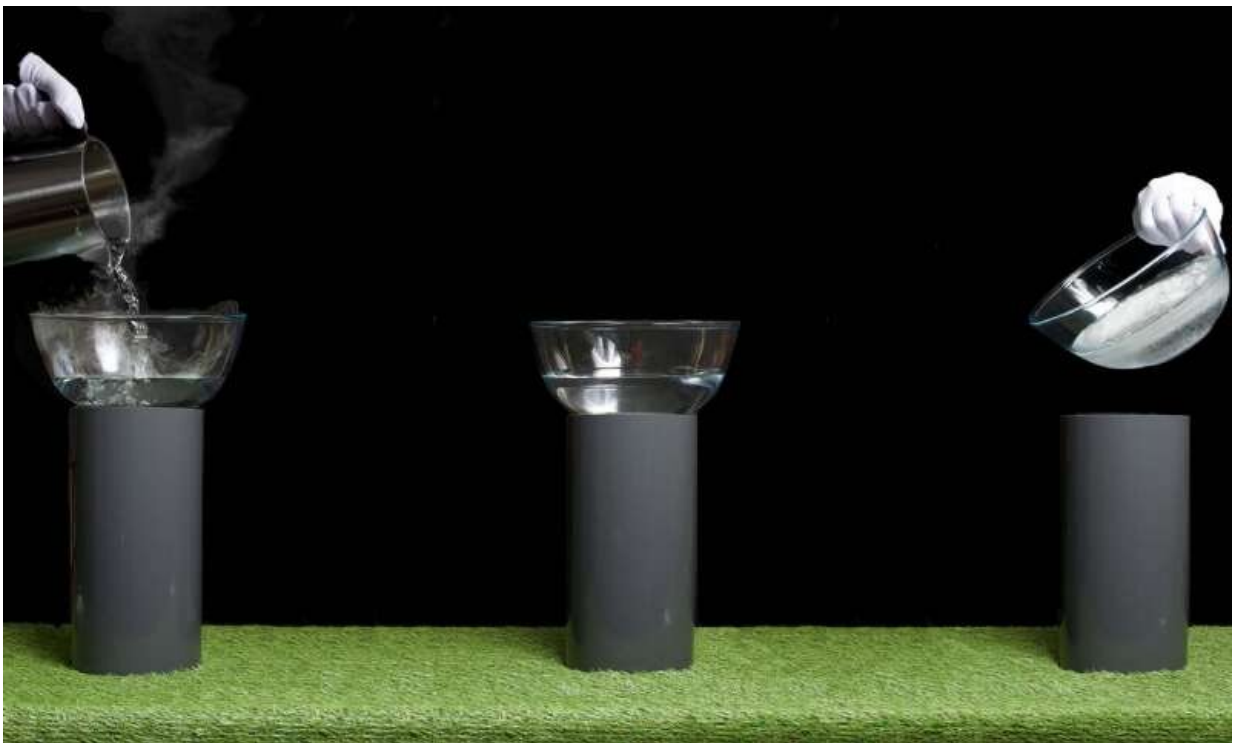


Best of Last Week –Travel through wormholes, electricity from snow and health risk of dining late, skipping breakfast

April 22 2019, by Bob Yirka



It was a big week for physics as a team at the University of Zurich reported on [some thermodynamic magic that enables cooling without energy consumption](#)—they built a device that allowed heat to flow from

a cold source to a warm object without any externally applied power. Also, a trio of researchers, Daniel Jafferis, Ping Gao and Aron Wall showed that [travel through wormholes is possible, but it would be slow](#)—slower than it would take to travel to the other site directly. And two teams of physicists, one from the Santa Fe Institute, the other MIT, took a look at [the discrete-time physics hiding inside of our continuous-time world](#) and found that the Markov process should unfold over a larger space than is typically used in research efforts. Also, a team from the University of Chicago and Fermilab announced that they had invented [a way to trap a mysterious 'dark world' particle at the Large Hadron Collider](#)—by exploiting a potential particle's slightly slower speed.

In space news a team working with NASA's Transiting Exoplanets Survey Satellite reported that they had already [found an Earth-sized planet](#)—the space-based telescope was launched just last year. Also, a team with members from Germany, the U.S. and France announced that [an elusive molecule, the first in the universe, had been detected in space](#)—theory had suggested that 13 billion years ago, the first molecule formed was HeH.

In other news, a team with members from Canada, the U.S., Egypt and Ireland reported on how they had created [a scientific device that creates electricity from snowfall](#)—they call it a snow-based triboelectric nanogenerator. Also, a team of UC Berkeley researchers found that [an anxiety 'epidemic' is brewing on college campuses](#). And a team with members from the University of Houston, Purdue University and Rice University reported on their work [with a high performance solid-state sodium-ion battery](#).

And finally, if you are one of the millions of people across the world who dine late and then skip a morning meal, you might be putting yourself at risk as a team at Botucatu Medical School, Universidade Estadual Paulista found that [a late dinner and no breakfast is a killer](#)

[combination](#)—it puts people at great risk of dying from a heart attack.

© 2019 Science X Network

Citation: Best of Last Week –Travel through wormholes, electricity from snow and health risk of dining late, skipping breakfast (2019, April 22) retrieved 12 July 2025 from <https://sciencex.com/news/2019-04-week-wormholes-electricity-health-dining.html>

<p>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.</p>
--