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**19 October 2022**

## **Invite: Understanding the state of our universe**

**Thursday, 20 October 2022 | 13:00-14:00 | M320, Department of Mathematics and Applied Mathematics, UCT Upper Campus | [Register](#)**

As part of the Nobel in Africa Symposium being hosted around the country this month, the High Energy Physics, Cosmology & Astrophysics Theory (HEPCAT) Group in the Department of Mathematics and Applied Mathematics at the University of Cape Town will host a lecture on the quantum universe.

The lecture will be presented by Professor Viatcheslav Mukhanov, professor of physics and head of the Astroparticle Division at the Ludwig-Maximilians-Universität, Munich, Germany.

In this talk, Mukhanov will discuss the recent progress in cosmology, the theoretical predictions made back to 80th and how they were confirmed in the Cosmic Microwave Background fluctuations measurements during the last 20 years.

“The topic is relevant for both the last few years Nobel prizes in physics and this year’s one and promises to be a fascinating insight into our understanding of the state of the universe,” says Professor Amanda Weltman.

Mukhanov serves as the scientific director of the *Journal of Cosmology and Astroparticle Physics*, and he is an editorial member of the *Journal of High Energy Physics*.

For more information about the lecture please contact: [Melissa Largier](#)

***ENDS***

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