Physik-Kolloquium

Dienstag, den 09.04.2019, 17.00 Uhr

Prof. Dr. Thomas Naumann
Deutsches Elektronen-Synchrotron (DESY)

Universe – Multiverse
The fine tuning of the constants of Nature

Einstein once said: "What really interests me is whether God could have created the world any differently." Our existence depends on a variety of constants which appear to be extremely fine-tuned to allow for the existence of Life. These include the number of spatial dimensions, the strengths of the forces, the masses of the particles, the composition of the Universe and others.

Starting from Leibniz' question whether we live in the "Best of all Worlds" we discuss whether the hypothesis of a multiverse could explain the mysterious fine tuning of so many fundamental quantities. Anthropic arguments are critically reviewed.

Ort: Hörsaal für Theoretische Physik, Linnéstraße 5
Alle Teilnehmer sind ab 16.30 Uhr zu Kaffee vor dem Hörsaal eingeladen.