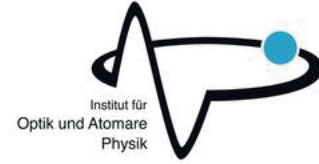
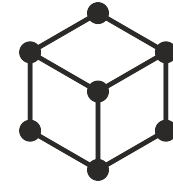


# Physikalisches Kolloquium



## Dr. Özgür Gürçan

Laboratoire de Physique des Plasmas, École Polytechnique, Palaiseau, CEDEX, France

### “Spectral geometry of the turbulent cascade”

Self-similar, fractal nature of turbulence will be discussed with a focus on spectral reduction. Some key features of the general turbulent cascade problem will be underlined, and reduced models such as nested polyhedra models or spiral chain models will be introduced. Advantages as well as limitations and inadequacies of these models will be detailed. Applications to MHD and a simple model of drift waves in plasmas as well as future perspectives will be discussed.

---

**Thursday, 21.11.19 · 16:15h · EW 202**

Technische Universität Berlin · Institut für Theoretische Physik · Hardenbergstraße 36 · 10623 Berlin