

Physikalisches Kolloquium



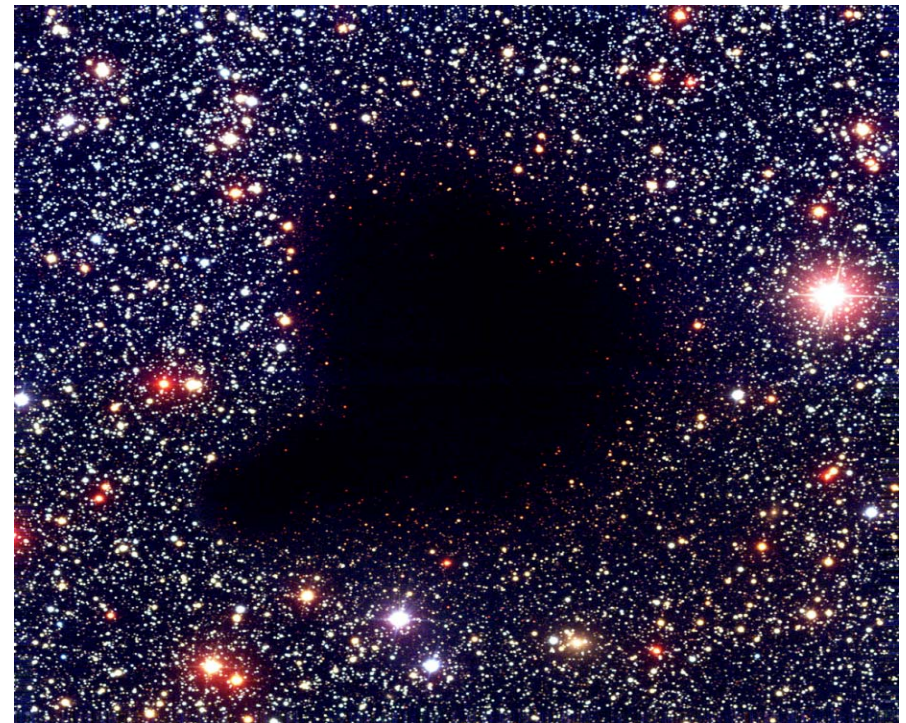
Thursday, 12.02.15, 17:15, HS 100
Reception with coffee & cookies 16:45

Prof. Thomas Henning, Max-Planck-Institut für Astronomie, Heidelberg

Physics and Chemistry of Cosmic Dust

Abstract

Cosmic dust is a system of nanometer- to micron-sized solid particles in the interstellar medium. These particles provide the "first" surface in space, providing the reaction site for the formation of molecular hydrogen and complex organic molecules. In addition, cosmic dust plays an important role in defining the thermal and dynamical state of the interstellar medium. The talk will summarize the main properties of this fascinating system of solids and will discuss the lifecycle of interstellar dust. The lecture will include a discussion how cosmic dust can be investigated in the laboratory.



All of you interested in physics are cordially invited!