



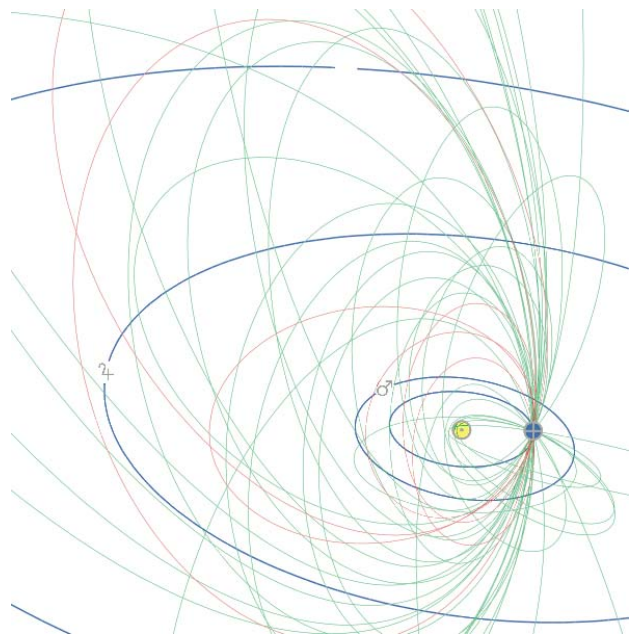
KIRUNA

# TECHNICAL VISITS

## **SWEDISH INSTITUTE OF SPACE PHYSICS, IRF**

The Swedish Institute of Space Physics (Institutet för rymdfysik, IRF) is a governmental research institute with 100 employees. Its primary task is to carry out fundamental research, education and associated observatory activities in space physics, space technology and atmospheric physics. IRF has employees in Kiruna, Umeå, Uppsala and Lund. The main office is located in Kiruna (geographic coordinates 67.84° N, 20.41° E).

The institute's research into space physics, atmospheric physics and space technology contributes to a better understanding of the world around us and the global processes that impact us in our daily lives.



## **METEORS**

-What are they, where do they come from and how do we study them?

IRF studies meteors (falling stars) with the help of sensitive instruments that reveal various aspects of the dust particles from space that cause this phenomenon. These instruments include the incoherent scatter radar EISCAT and the optical network ALIS, Auroral Large Imaging System. Meteor research broadens our knowledge of the origin and development of the solar system and is of interest in our search for new worlds to live on. Knowing about dust particles in space is also important for future manned space missions and for planning bases on the moon and on Mars.

**LECTURER:** Professor Asta Pellinen-Wannberg (IRF and Umeå University)

**CONTENT:** General information and a guided tour of IRF, about 40-45 minutes. Lecture of about 45 minutes.

**TIME:** Approximately half a day or 2-2½ hours.

**AVAILABILITY:** Year-round, upon request.