

# The Universe - a World of Plasma

Plasma is the dominating manifestation of matter in the Universe.

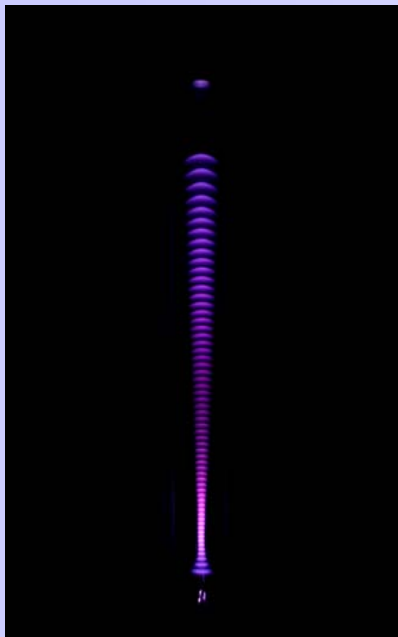
Plasma exists in many different modifications – from the dense and hot thermal fusion plasmas in the centre of the sun (and the stars) to the extremely non-thermal and weakly plasmas in the interstellar space.

Whereas the plasma on Earth presents something exotic, it is the normal state in the Universe.



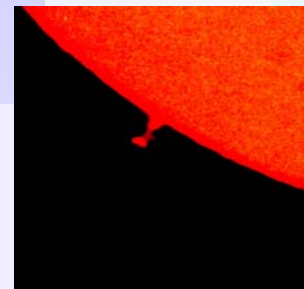
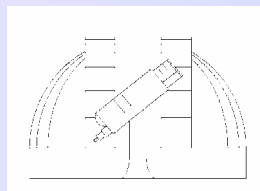
## Evening Lecture:

Priv. Doz. Dr. Holger Kersten  
Institute of Low-Temperature  
Plasma Physics (INP)  
Greifswald



## Contents:

- Plasma – the forth state of matter
- Artificial gas disarchges in the lab and their applications
- Natural plasmas on Earth and in the solar system
- Sun and stars
- Interstellar and intergalactic matter



The popular scientific lecture will be added by some impressive experiments.