

Plenary talks (PV)

Plenary Talk PV III Tu 8:30 E 415 und E 214
Plasma physics - the scientific base for ITER — ●HARTMUT
ZOHM — Max-Planck-Institut für Plasmaphysik, D-85748 Garching,
EURATOM Association

The large-scale fusion experiment ITER, currently under construction in Cadarache, France, is usually associated with high-temperature

plasma physics typical for conditions under which fusion reactions occur. However, a large range of plasma physics phenomena plays a role in optimising the ITER design and preparing its operation, involving also low temperature plasma physics, dust in plasmas or materials under steady state and transient high power load. The talk will give an overview of critical areas for the ITER design and point out the contribution of different areas of plasma science to their resolution.