

INSTITUTE FOR TECHNICAL PHYSICS (ITEP)

Collegial Direction: Prof. Dr.-Ing. M. Noe

Prof. Dr. B. Holzapfel

Representative: Dr. W. Fietz

Head of Administration: Dipl.-Ing. K.

Tie-in workshop in conjunction with IK and IEKP (University)

Superconducting High-field Magnets



Dr. Th. Schneider

High-field Laboratory

Technical Center

Construction

Calculations

SC Materials & Applications in Energy Technology



Prof. Noe
Prof. Holzapfel

Conductor Development, Characterization, Special Applications

Chemistry, Microscopy

Power Technology Applications

Superconducting Films

AC Losses & Modeling

Energy Laboratory

Cryogenics



Dr. H. Neumann

Cryo R&D Fusion

Cryogenic Systems

Cryoinfrastructure

Magnet Development for Nuclear Fusion



Dr. W. Fietz
Stellv. Dr. K.-P. Weiss

Magnet Technology & Magnet Tests

Power Supply Leads & Studies

Cryogenic Materials Characterization

Cryogenic High-voltage Technology

Vacuum Technology



Dr. C. Day

ITER Cryopumps

ITER Vacuum Systems

TIMO-2

Vacuum Physics

Tritium Laboratory Karlsruhe



Dr. B. Bornschein
Leiter Betrieb:
Dr. U. Besserer

Tritium Process Technology

Measurement & Automatic Control Engineering

In-house Technical Systems, Documentations, Tritium Balance

ITER Planning Water Detritation & Cryodestillation

Blanket Technology & Components

KATRIN

Tritium Analytics