

專門分野分類表

1. General Plasmas

- A. Breakdown/Discharge Physics
- B. Cross Sections and Elementary Processes
- C. Waves and Instabilities
- D. Nonlinear Phenomena
- E. Self-Organization
- F. Non-Neutral Plasmas
- G. Relativistic Plasmas
- H. Electron-Positron Plasmas
- I. Dusty or Complex Plasmas
- J. Geophysical and Astrophysical Plasmas
- K. Solitons, Vortex and Chaos
- L. Turbulence and Transport
- M. Magnetic Reconnection
- N. Radiation Sources
- O. Plasma Material Interaction
- P. Diagnostics
- Q. Magnetohydrodynamics
- R. New Trends
- S. Others

2. Magnetic Confinement Fusion (Experiments)

- A. Equilibrium and Stability
- B. Heating and Current Drive
- C. Transport
- D. Energetic Particles
- E. Magnetic Reconnection
- F. Plasma Control or Operation
- G. Divertor, Limiter and First Walls
- H. Plasma Wall Interaction
- I. Magnetic Field Configuration (Topology)
- J. New or Innovative Concepts
- K. Diagnostics
- L. Others

3. Magnetic Confinement Fusion (Theory)

- A. Equilibrium and Stability
- B. Transport
- C. Magnetic Reconnection
- D. Heating and Current Drive
- E. Divertor, Limiter and First Walls
- F. Plasma Wall Interaction
- G. New or Innovative Concepts
- H. Others

4. Laser and Particle Beams, Inertial Confinement Fusion

- A. Driver System (Laser, Ion Beams)
- B. High Intensity Laser Plasma Physics
- C. Laser Plasma Interaction
- D. Beam Plasma Interaction
- E. Properties of Radiation in Hot Dense Matter
- F. Hydrodynamics and Implosion
- G. Intense Particle Beams and Radiation Sources
- H. Diagnostics
- I. Others

5. Fusion Engineering

- A. First Walls and Conditioning
- B. Blankets
- C. Divertors and Plasma Facing Components
- D. Tritium Recovery/Cycle and Fueling
- E. Structure Materials
- F. Ceramics and Special Purpose Materials
- G. Shielding, Neutronics and Nuclear Data
- H. New Concept and Reactor Design
- I. Safety and Environment
- J. Remote Handling
- K. Computer Control and Data Acquisition
- L. Magnets and Superconductor
- M. Power Source
- N. Target Design and Fabrication
- O. Others

6. Plasma Application

- A. Production and Control of Reactive Plasmas
- B. Diagnostics of Reactive Plasmas
- C. Plasma Surface Interaction
- D. Material Processing and New Materials
- E. Lightning Plasmas, Laser and Flat Panels
- F. Thermal Plasmas
- G. Environmental Application of Plasmas
- H. Plasma Nano-Technology and Dusty Plasmas
- I. Atmospheric Pressure Nonthermal Plasmas
- J. Biological Applications of Plasmas
- K. Plasma Chemistry
- L. Plasma Propulsion
- M. Innovative Plasma Applications
- N. Others