

Princeton Plasma Physics Laboratory Subject Headings

**Please Check Three Subject Headings
for Cataloging Report No. _____**
(Additional categories may be added at end of form.)

Absorption Coefficient	Cyclotron Cones	Flux
Acceleration	Cyclotron Instability	Fueling
Accelerators	Cyclotron Resonance	Fusion Power
Activation	Data Acquisition	Fusion Reactions
Adiabatic Invariance	Debye Length	Fusion Reactions, Low Temperature
Advanced Fuels	Deuterium	Fusion Reactions, Muon Catalysis
Afterheat	Deuterons	Fusion Reactions, Heavy Ion
Alfvén Waves	Diagnostics	Fusion Reactors
Alpha Particles	Diamagnetism	Fusion Reactors, Design
Antennas	Dielectric Tensor	Fusion Reactors, Economics
Astrophysics	Differential Equations	Gas Discharges
Atomic and Molecular Physics	Diffusion	Geophysical Applications
Atomic Spectra	Diffusion, Ambipolar	Getters
Automatic Control	Diffusion, Anomalous	Guiding-center Approximations
Automatic Data Control Systems	Diffusion, Bohm	Gyrokinetic Equations
Backscattering	Diffusion, Classical	Hall Thruster
Ballooning Instabilities	Diffusion, Magnetic Field	Hamiltonian
Beam Fusion	Diffusion, Particle	Harmonics
Beam Plasma Interactions	Disruptions	Health Physics
Beams, Electron	Distribution Functions	Heat Exchange
Beams, Heavy Ion	Divertors	Heating
Beams, Light Ion	Doctoral Dissertations	Heating, ECRH
Beams, REB	Doppler Effect	Heating, ICRF
Blankets	Dosimetry	Helical Devices
Boltzmann Theory	Double Layers	Helical Instability
Bootstrap Current	Drift Instability	Helium
Boundary Layers	Drift Stability	Helium Ash
Boundary Value Problems	Drift Waves	Helmholtz Instability
Bremsstrahlung	DT Plasma	High-beta Plasmas
Brillouin Effect	Eddy Currents	H-mode Plasma Confinement
Bump In Tail Instability	Edge Plasma	Hose Instability
Ceramics	Electric Field Effects	Hybrids, Fusion-Fission
Chaos	Electric Power	Hydrogen
Charge Exchange	Electric Propulsion	Hydrogen, Isotopes
Charged Particles	Electron Rings	Hydrogen Ions, One Minus
Coils	Electronic Data Processing	Ignition
Collisions	Energy Balance	Impurities
Compact Toroids	Energy Conversion	Inertial Confinement Fusion
Compression	Energy Resources	Injection
Compton Effect	Energy Storage	Injection, Pellets
Computational Physics	Energy Supply and Distribution	Injection, Neutral Beam
Computer Codes (Acronym)	Environmental Effects	Interferometry
Computer Programs (Acronym)	Equilibrium	International Cooperation
Computer Simulation	Equilibrium, MHD	Ion Acoustic Waves
Confinement	Equilibrium, MHD – Toroidal	Ion Cyclotron Waves
Convection	Fiber Optics	Ion Heating
Coolants	Field Reversed Configurations	Ion Sources
Cross Sections	Finite Element Method	Ion Wave Instability
Cryogenics	Finite Larmor Effects	Ionization and Recombination
Current Drive	Fishbone Instability	Kinetic Theory
Cusped Geometries	Fission Reactors	Kink Instability
	Fluctuations	
	Flute Instability	

Kortweg-Devries Equations	Pinch, Theta	Stabilization
Laser Fusion	Pinch, Zeta	Stabilization, Dynamic
Laser Fusion, Targets	Plasma Column	Stabilization, Feedback
Laser Fusion Devices (Acronyms)	Plasma Dynamics	Steady-State Fusion Reactors
Laser-plasma Interactions	Plasma Focus	Stellarators
Laser-produced Plasma	Plasma-wall Interaction	Stellarators (Acronym)
Laser Spectroscopy	Polarization	Stochasticity
Lasers	Ponderomotive Force	Supercomputers
Lasers, Fluorescence	Positive Column	Superconducting Magnets
Lasers, CO ₂	Power Plants	Superconductivity
Lasers, Free Electron	Probes (Electric, Magnetic)	Surface Physics
Lasers, X-Rays	Program Management	Tandem Mirrors
Lawson Criterion	Progress Reports	Tearing Instability
Light Scattering	Project Summaries	Thomson Scattering
Limiters	Prompt Gamma Radiation	Tokamaks
Lithium	Pulsed-fusion Reactors	Tokamaks (Acronym)
Loss Cone Instability	Pumps	Tokamaks, TFTR
Lower Hybrid Waves	Quantum Mechanics	Tokamaks, NSTX
Magnetic Field Effects	Quasilinear Theories	Tomography
Magnetic Fields	Radiation Detectors	Transport Coefficients
Magnetic Islands	Radiation Effects	Transport Equations
Magnetic Mirrors	Radiation Protection	Transport Phenomena
Magnetic Reconnection	Radiation, Cyclotron	Transport Theory
Magnetic Surfaces	Radiation, Regulations and Standards	Trapped-particle Instability
Magnetics	Radioactivation	Tritium
Magnetohydrodynamics (MHD)	Radioactive Wastes	Tritons
Mapping	Ray Tracing	Turbulence
Masters Thesis	Rayleigh-Taylor Instability	Two-stream Instability
Materials	Reconnection	Upper Hybrid Waves
Materials, Effect of Radiation On	Reflectometer	Vacuum
Mathematical Physics	Relativistic Plasma	Vacuum, Degassing
Metals and Metallurgy	Reliability	Velocity
MHD Instability	Remote Handling	Viscosity
Microwaves	Research Devices	Vlasov Equation
Mode Conversion	Research Devices (Acronym)	Walls
Mode Coupling	Resistive Instabilities	Wave Absorption
Monte Carlo Methods	Resonance	Wave Coupling
Multispecies Plasma	Resonance Cones	Wave Damping
Neutral Beams	Reversed Field Pinch	Wave Decay
Neutronics	RF Heating	Wave Excitation
Noncircular Cross Sections	Ripple Effect	Wave Interaction
Nonlinear Effects	Rotamak Devices	Wave Interaction, Particles
Nonlinear Theories	Rotating Plasmas	Wave Interaction, Plasma
Nonneutral Plasmas	Runaway	Wave Polarization
Nuclear Reactions	Sausage Instability	Wave Propagation
Numerical Methods	Scaling Laws	Wave Reflection
Numerical Simulation	Scoping Studies	Wave Scattering
Ohmic Heating	Shear	Waveguides
Optical Spectroscopy	Sheath	Whistler Waves
Oscillations	Shielding	WKB Approximation
Oscillations, High Frequency	Shock Waves	X-ray Spectroscopy
Oscillations, Low Frequency	Skin Effect	X-rays
Oscillations, Nonlinear	Solitons	X-rays, Soft
Oscillations, Sawtooth	Space Plasma Physics	
Paramagnetic Instabilities	Spectral Lines	
Partial Differential Equations	Spheromaks	Other:
Particle Dynamics	Spherical Torus	
Particle Dynamics, Belt	Spherical Tokamak	
Particle Dynamics, Pellets	Stability, Ideal Hydromagnetic	
Pinch	Stability, Microinstability	