

Space Phenomena \ Fundamental Processes	Magnetic Reconnection	Turbulence	Cross-scale coupling	Magnetodynamo	Electric Field (parallel)	Stochastic Acceleration	Shock acceleration	Wave Instabilities	Photochemistry	Plasma-Neutral Interactions	Plasma-Plasma Interactions	Radiative transfer	Electrodynamics	Thermodynamics
Solar Flares	Primary science		Secondary science					Secondary science						
Coronal Mass Ejections	Primary science	Secondary science	Secondary science				Secondary science							
Geospace storms	Primary science	Secondary science	Secondary science		Secondary science			Secondary science						
Cosmic rays		Secondary science				Primary science	Secondary science							
Heliospheric Structure	Secondary science	Secondary science	Primary science			Secondary science	Secondary science			Secondary science	Secondary science			
Solar Energetic Particles	Secondary science	Secondary science				Secondary science	Primary science	Secondary science						
Aurora and airglow			Secondary science		Secondary science			Primary science	Primary science	Secondary science				
Planetary Atmospheres		Secondary science	Secondary science					Secondary science		Primary science		Secondary science	Secondary science	Secondary science
Solar Dynamo		Secondary science	Secondary science	Primary science										
Planetary Dynamo			Secondary science	Primary science										
Heliospheric Magnetic Field		Secondary science	Secondary science	Primary science										
Radiation Belts			Secondary science	Secondary science				Primary science						
Solar Corona	Secondary science	Secondary science									Secondary science	Primary science		
Solar Wind		Secondary science				Secondary science	Secondary science	Secondary science		Secondary science	Primary science			

Table: Metrics of space phenomena versus fundamental science

