

ROMAN SPACE TELESCOPE

Community 1 Page Science Programs	GI - HLS	GI - SN	GI - ML	GO
Solar System / Exoplanets				
Norwood - Solar System Science				X
Schlichting - Survey of KBOs				X
Ardila – Free Floating Planets				X
Holman - Transit Timing Variations				X
Grillmair – Exoplanet Spectroscopy				X
Tanner – Exoplanet Transits			X	
Tanner – Exoplanet Astrometry			X	
Stellar Astrophysics				
Tanner – Coldest Brown Dwarfs				X
Kalirai – Stellar Fossils in the Milky Way	X	X	X	X
Kalirai - IR Color-Magnitude Relation				X
Ardila – Closest Young Stars				X
Martinache - Low Mass Stars			X	X
Sahu – Neutron Stars and Black Holes			X	
Gaudi – Bulge Parallaxes			X	X
Galactic Astrophysics / Local Volume				
Stern – LMC Proper Motion			X	X
Besla – Counterpart of the Magellanic Stream				X
Geha – Faintest Milky Way Satellites	X			X
Deason – Mass of the Milky Way	X			
Strigari – Cold vs. Warm Dark Matter				X
Johnston – Finding or Losing Missing Satellites	X			X
Johnston – Potential of the Milky Way	X			X
van der Marel – Nearby Galaxy Halos				X
Guhathakurta – Extragalactic Halo Ages				X
Laine – Substructure in Nearby Galaxies				X
Dalcanton – Resolved Stellar Populations				X
Abraham – Resolving ICL in Virgo				X
Extragalactic Astrophysics				
Mihos - Surface Photometry of Galaxies				X
Conselice – Galaxy Morphologies	X	X		
Stern – Strong Lensing	X	X		
Appleton – Shocked Galaxies	X	X		
Merten – Distribution of Dark Matter in Clusters				X
Merten – Merging Clusters				X
Natarajan – Group-Scale Lenses	X			
Donahue – Weighing Clusters	X			
Donahue – Cluster Evolution & Red Sequence				X
Stern – Obscured QSOs	X	X		
Stern – Faint High-z QSOs	X	X		
Fan – Strongly Lensed QSOs	X			
Fan - High z Quasars and Reionization	X			
Teplitz - Reionization Sources	X			
Scarlata – Resolved z=2 SF Galaxies	X			X
Kasliwal – Counterparts of NS Mergers				X

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Gladders – Strong Lensing	X			X
Roman and JWST Synergies (Appendix B)				
Coe – Earliest Galaxies	X			
Stiavelli - Pair Instability Supernovae	X	X		X
Treu – Lensed QSOs as Probes of Sub-Halos	X			
Goodfroomj – Globular Clusters				X
Boyer – AGB Stars				X
Ferguson – Tidal Streams				X
Perrin – Exoplanet Atmospheres				X
Kalirai – Galaxy Structure				X
Other Roman and Future Mission Synergies (Appendix J)				
Rhodes – LSST Cadence				
Dell'Antonio - Roman and TMT - Cluster, Galaxy, Supernova, & Near Field Cosmology				
Tanaka - Roman and TMT - GW Sources				
Tanaka - Roman and TMT - First Supernovae				
Jiang - Roman and TMT - High-z QSOs #1				
Shen - Roman and TMT - High-z QSOs #2				
Shen - Roman and TMT - BH Scaling Relation				
McCarthy - Roman and GMT - Galaxy Evolution				
Finkelstein - Roman and GMT - Reionization				
Green - Roman and the Subaru PFS				
Strauss - LSST and Roman				
Capak - Synergies between Euclid & Roman				