				Obs	erva	tions	;		Dark Matter Derived Properties																		
Object class	Focus features	Scale	UVOIR			Radio/submm	X/g-ray	X/g-ray		Amount of mass in	substructure	ia			Turnover scale (in power spectrum or mass scale)			Scattering			Annihilation				Project or Mission	Presently productive	re potential
			Photometry	Spectroscopy	Astrometry			low mass	high mass	local	low z	z pom	high z	local	low z	mod z	high z	1E2km/s	1E3km/s	1E4km/s	local	low z	z pom	high z		Preser	Future
Earth & Planets	Internal structure																										<u> </u>
""	Caustic concentrations																										
Solar	Internal structure																										<u> </u>
	Neutrino emission																										
MWG stellar streams	Large scale distributions																										
""	Small scale structure																										\perp
MWG dwarf galaxies	Mass function																								SDSS, DES, GAIA, WFIRST		
""	Spatial distribution																										
nn	Internal structure																										
1111	Gamma ray emission																										
MWG bulge/center	Gamma ray emission																										
MWG stellar velocities	Census																										
MWG halo profile	Ensemble information																										
MWG satellite galaxies	Census																										
Lyman alpha clouds	Census																										
Galaxy TBTF halos	Census																										
Galaxy scale substructure	Census through lensing																										
Galaxy halo profiles	Strong lensing+																										
Group halo profiles	Strong lensing																										
	Weak lensing stacks																										
Cluster halo profiles	Strong+weak lensing																										
Galaxy-cluster mergers	Strong+weak lensing																										
Cluster-cluster mergers	Strong+weak lensing																										
EoR structure	Tomography mapping																										
Pop III stars	Census statistics																										
""	Luminosities																										
Dark stars	Census																										
CBR P(k)	High-k modes																										