	Science	Mission Status	Lambda	FOV	Pointed vs. all-sky	RV? spectral resolution	PSF/Angular resolution	Astrometric Precision (single measurement)	Astrometric Precision (end of mission)	Absolute or Relative	Time Baseline	Percentage devoted to astrometry	Magnitude limit	Number of targets	Detector requirement	Notes
Lunar interferometer	(1), (7)	Concept (NASA MIDEX)	0.6-0.8um (science) 2.0-2.4um (FTK)	1-2 deg	pointed	R~10	0.6" (aperture) 0.4mas (system)	0.1 uas	0.01uas?	relative	3 yrs?	100%	V<10 to SNR=10 in 10sec	150 HWO candidates	<1 e- in VIS, NIR, Mpix	MIDEX class with CLPS landing?
HWO	(1), (2), (5), (6), (7?), (10)	Decadal top priority	0.1-2.5um	~ 3'x2' per pointing		many Rs available	~ 14 mas at 500 nm	0.3 uas	???	relative	25 yrs	< 100%	R~31 in ~9 hr for SNR=5	~50 exo + others	CMOS? Gpix	
Theia	(1),(2),(3), (5), (6), 10?	Voyage 2050 M mission theme	0.4-0.8um	0.5deg		broad band	70mas	2.0 uas	0.1 uas	relative	5 yrs	100%	V<21	>10000	CMOS Gpix	ESA Medium Class
GaiaNIR	(2),(5),(6),(7),(8), 10?	Voyage 2050 L mission theme	0.8-2.5 um		all-sky	5 bands (1 broad + 4 narrow)	0.1-0.2 (units?)	5-50 uas	<7 uas	absolute	10 yrs	100%	RJHK ~ 21-24	15 bn GaiaNIR, 2.5 bn common with Gaia	APD MCT GigaPix	40 yr baseline with Gaia, nanoarcsec proper motion
RAFTER	(1), (3), (4), (5), (6), (7), (8)	Voyage 2050 M mission theme	0.4-1.0um	0.2 deg to 2 deg		broad band	70 mas	1 uas	0.1 uas	relative	3-5 yrs	100%	V=15	> 10,000	CMOS Gpix	
JASMINE	(3), (6), (8)	Approved, Launch early 2030s	1-1.6um	2.5 sq deg		broad band	1 arsec	4 mas	25-125 uas	relative	3 yrs	50%	J<14.5	120k	CMOS InGaAs	Focused on Galactic nucleus
TOLIMAN	(1),(7)	Under construction Launch 2025/2026	0.55-0.65 um	1 arcmin		200	1"	10 uas	0.5 uas	relative	3 yrs	100%	V=4	1 to 2	CMOS Si	Focused on nearest 2 G star systems
SHERA	(1),(7)	SMEX Concept 2028-2031	0.5 um	3 arcmin		200	0.5"	5-20 uas	0.3-2 uas	relative	3 yrs	100%	V=7	40; 20 FGK Nearby Binaries	CMOS 10Mpix	SMEX class

	ID	Science topic	Driving Major Mission Requirements	Major Science Advance
Science	(1)	Exoplanets down to Earth-Mass in the HZ of FGKs	Theia,Toliman, lunar interferometer, Shera, Rafter	HWO, Theia, Rafter, Toliman, lunar interferometer, Shera
	(2)	Dark Matter, DM distribution in dwarf galaxies, DM in the Milky Way		GaiaNIR, HWO, Theia
ıdd ' before parenthesis	(3)	Identification of new stellar clusters, subclusters, kinematics of open clusters		
	(4)	General relativity on all scales		
	(5)	Internal kinematics of globular clusters, equipartition, IMBHs, wide binaries		
	(6)	Compact object (BH/NS/WD) demographics (isolated / binaries / gravitational wave sources)		Theia
	(7)	Occurrence of Jupiter-like and Saturn-like planets		Rafter
	(8)	Milky-Way stellar populations and dynamics		
	(9)	Local and Cosmological Gravitational Wave Sources Including Stochastic GW Background		Theia, Rafter
	(10)	Galaxies/galaxy clusters beyond the Local Group		
	(11)	Local extra-galactic sources(?)		
	(12)	Phasespace structiure of Virgo & Fornax clusters of galaxies & links of galaxy evolution with phase space		

Isn't this (12) a galaxy cluster beyond the LG? (10)

(13)	solar system / small bodies
(14)	Planetary systems in star clusters -- GC probably just outskirts

Virg qnd <F