Other MOS







MOS Projects Around the World

MOS with multiplex > 300

Project	Hemisphere	Tel. diam. (m)	FOV (sq deg)	Fibres / slits	Spectroscopic resolution	First light
AAT / AAOmega	S	3.9	3.14	392 fibres	1300 - 8000	2006
AAT / Hermes	S	3.9	3.14	392 fibres	28000	2012
GMT / GMACS	N	21.9	0.05	400 fibres	1500-5000	2025?
GTC / GO-IRS	N	10.4	0.05	1000 fibres	2000 - 20000	Proposed
HET / VIRUS	N	10	0.09	150 IFUs	500	2016

LAMOST	N	4.0	19.6	4000 fibres	1000, 10000	2009?
Mayall / BigBOSS	N	3.8	7.07	5000 fibres	5000	2020
MMT / HECTOSPEC	N	6.5	0.79	300 fibres	1000	2003
CFHT / MSE	N	10	1.5	3200 fibres	2000 - 20,000	Proposed
VISTA / 4MOST	S	3.7	4	2400 fibres	2400	2023?
SDSS-III / BOSS	N	2.5	7.07	1000 fibres	1600 - 2700	2009
Subaru / PFS	N	8.2	1.78	2400 fibres	2000 - 5000	2021?
Subaru /FMOS	N	8.2	0.2	400 fibres	600/3000	2011
VLT / MOONS	S	8.2	0.14	500+500 fibres	4000 - 20000	2022?
WHT / WEAVE	N	4.2	3.14	1000 fibres	5000, 20000	2021

MOS with multiplex 100 - 300

Project	Hemisphere	Tel. diam. (m)	FOV (sq deg)	Fibres / slits	Spectroscopic resolution	First light
Blanco, Mayall / HYDRA	S	4.0	0.3	~138	5000	1998
E-ELT / MOSAIC	S	39	0.01	300	5000 - 20000	2032?
GEMINI / GMOS	N/S	8.1	0.007	100s slits	4000 - 9000	2001/3
HET / HETDEX	N	9	0.108	145 fibre bundles	1000	2015
Keck / Deimos	N	9.8	0.08	~ 100 slitlets	5000	2002
VLT / FLAMES	S	8.2	0.126	130 fibres	5000 - 30000	2003
VLT / VIMOS	S	8.2	0.063	200 - 800 slits	200 - 2500	2003
WHT / AF2	N	4.2	0.785	150 fibres	100 - 9500	1994
WIYN / HydraW	N	3.5	0.78	100 fibres	1000 - 10000	1994

MOS with multiplex < 100

Project	Hemisphere	Tel. diam. (m)	FOV (sq deg)	Fibres / slits	Spectroscopic resolution	First light
CAHA / MOSCA	N	3.5	0.04	? slits	~3000	1996
GMT / NIRMOS	N	21.5	0.010	50 slits	3000	2025?
GTC / EMIR	N	10.4	0.007	50 slits	4000	2016
GTC / MEGARA	N	10.4	0.0034	100 fibre bundles	5000 - 19000	2017
GTC / OSIRIS	N	10.4	0.012	30 slits	250 - 3000	2013
LBT / LUCI	N	2x8.4	0.004	Up to 33 masks	~2000-~8500	2008
Keck / MOSFIRE	N	9.8	0.010	46 slits	~3600	2011
VLT / FORS	S	8.2	0.013	19 slits	260 - 2600	1999
VLT / KMOS	S	8.2	0.011	24 IFUs	~3000-4000	2012
WHT / LIRIS	N	4.2	0.005	25 slits	700 - 2500	2005