一．椭偏高斯 沿光轴 锥折射后 检椭偏（较广义）

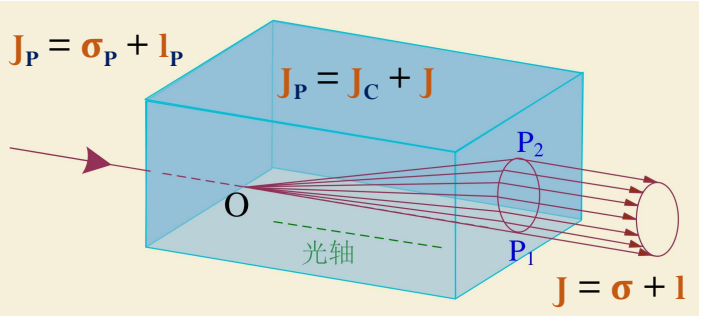
$\alpha = 0° \sim 45°$
$J_{orb} = 0 \sim 1\ \hbar$ / photon

双轴晶体 = SAM → OAM 转换器

起偏	σ_P	l_P	J_P	J_C	J	σ	l	检偏	功率
R	1	0	1	½	½	1	0	R	½
						-1	1	L	½
						0	½	VH+–	½

起偏	σ_P	l_P	J_P	J_C	J	σ	l	检偏	功率
L	-1	0	-1	-½	-½	1	-1	R	½
						-1	0	L	½
						0	-½	VH+–	½

起偏	σ_P	l_P	J_P	J_C	J	σ	l	检偏	功率
V	0	0	0	0	0	1	-½	R	½
						-1	½	L	½
						0	0	VH	¾ : ¼
						0	0	+–	½



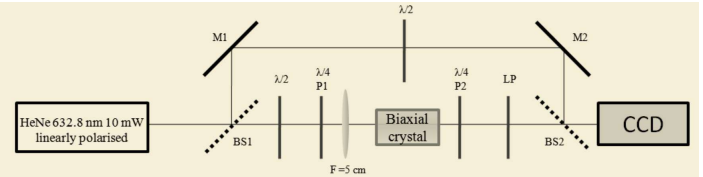
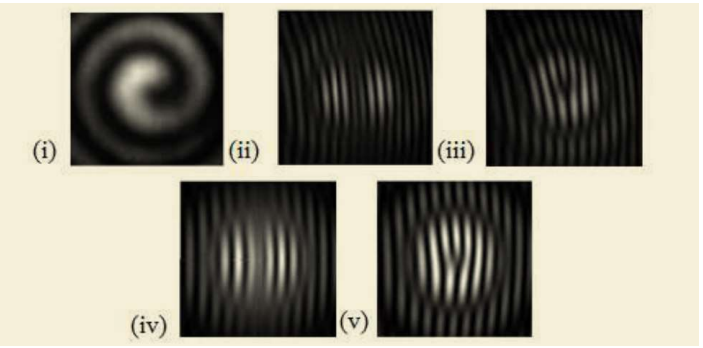


Fig. 1. Optical setup to generate a light beam with fractional OAM, and also including a Mach-Zehnder interferometer to record the phase distribution. (See text for explanation)



2010 - Generation of continuously tunable fractional optical orbital angular momentum using internal conical diffraction - Optics Express - O'Dwyer et al