

Analysis	Channel	Category	Number of signal events for $m_H = 125 \text{ GeV}$		
			ggH	VBF	VH+ttH
$H \rightarrow \gamma^* \gamma \rightarrow \mu\mu\gamma$	$\mu\mu$	EB, High R_9	9.18	0.47	0.33
	$\mu\mu$	EB, Low R_9	5.17	0.27	0.18
	$\mu\mu$	EE	3.80	0.20	0.25
	$\mu\mu$	dijet	0.45	0.39	0.01
$H \rightarrow Z\gamma \rightarrow \ell\ell\gamma$	ee	untagged 1	5.2	0.14	0.06
	ee	untagged 2	3.2	0.09	0.04
	ee	untagged 3	3.9	0.12	0.06
	ee	untagged 4	2.7	0.08	0.04
	$\mu\mu$	untagged 1	7.3	0.22	0.09
	$\mu\mu$	untagged 2	4.6	0.14	0.06
	$\mu\mu$	untagged 3	3.9	0.12	0.06
	$\mu\mu$	untagged 4	3.4	0.11	0.05
	ee	dijet	0.33	0.47	0.02
	$\mu\mu$	dijet	0.43	0.60	0.02
	ee	boosted	3.36	0.56	0.33
	$\mu\mu$	boosted	4.37	0.72	0.43
	$ee + \mu\mu$	lepton	0.08	0.014	0.32