Input analysis	Decay channels targeted	Production targeted	Signal granularity	References
$H \to \gamma\gamma$	$\gamma\gamma$	ggH, (NJ, p_T^H, m_{jj}) bins VBF, (p_T^H, m_{jj}, p_T^{Hjj}) bins VH hadronic WH leptonic, p_T^V bins ZH leptonic ttH, p_T^H bins tH	STXS stage 1.2	[42]
$H \to ZZ \to 4\ell$	4μ, 2e2μ, 4e	ggH, (NJ, p_T^H, m_{jj}) bins VBF, (NJ, p_T^H, m_{jj}, p_T^{Hjj}) bins VH hadronic VH leptonic, p_T^V bins ttH	STXS stage 1.2	[43]
$H \to WW \to \ell\nu\ell\nu$	eμ/μe, ee+$\mu\mu$, eμ+jj 3ℓ, 4ℓ	ggH, (NJ, p_T^H) bins VBF-like (p_T^H, m_{jj}) bins VH hadronic WH leptonic, p_T^V bins ZH leptonic, p_T^V bins	STXS stage 1.2	[44]
$H \to \tau\tau$	eμ, eτ_h, $\mu\tau_h$, $\tau_h\tau_h$ eτ_h+2ℓ, $\mu\tau_h$+ℓ/2ℓ, $\tau_h\tau_h$+ℓ/2ℓ	ggH, (NJ, p_T^H, m_{jj}) bins VBF, (NJ, p_T^H, m_{jj}) bins WH leptonic, p_T^V bins ZH leptonic, p_T^V bins	Inclusive production processes or STXS stage 1.2	[45]
$H \to bb$ boosted	bb	ggH, high-p_T^H bins VBF, high-p_T^H bins	Inclusive production processes or STXS stage 1.2	[27]
VBF ($H \to bb$)	bb	VBF	Inclusive production processes	[26]
VH ($H \to bb$)	bb	WH leptonic, p_T^V bins ZH leptonic, p_T^V bins	STXS stage 1.2	[30]
t(t)H ($H \to bb$)	bb	ttH, p_T^H bins tH	Inclusive production processes or STXS stage 1.2	[31]
t(t)H ($H \to$ leptons)	2ℓ(same charge), 3ℓ, 4ℓ 1ℓ+2τ_h, 2ℓ(same charge)+1τ_h, 3ℓ+1τ_h	ttH, tH	STXS stage 1.2	[46]
$H \to \mu\mu$	$\mu\mu$	ggH, VBF, VH, ttH	Inclusive production processes	[47]
$H \to Z\gamma \to \ell\ell\gamma$	$\ell\ell\gamma$	ggH, VBF	Inclusive production processes	[48]
$H \to$ inv	Large p_T^{miss}	Monojet VBF VH leptonic VH/ttH hadronic	Inclusive production processes	[49,50,51,29]
Off-shell ($H \to ZZ \to 4\ell$)	4ℓ	Off-shell	Off-shell contributions (cf. Eq. (**??**))	[28]