

Source of uncertainty [%]	$X \rightarrow ZZ$ $\rightarrow 4\ell$	$X \rightarrow ZZ$ $\rightarrow 2\ell 2q$	$X \rightarrow ZZ$ $\rightarrow 2\ell 2\nu$
Experimental sources			
Integrated luminosity	2.5	2.5	2.5
$\ell$ trigger and selection efficiency	2.5–9	4–8	6–8
$\ell$ momentum/energy scale (*)	0.04–0.3	0.1–0.3	0.01–0.3
$\ell$ resolution (*)	20	20	—
JES, JER, $p_T^{\text{miss}}$ (*)	1–30	1–10	1–30
b tagging/mistag	—	5–7	2–4
Background estimates			
Z + jets	36–43	10–50	20–50
top quark, WW	—	15	10
$W\gamma^*$ , WZ	—	3–10	15
Theoretical sources			
Renorm./factor. scales	3–10	3–10	5–10
PDF set	3–4	3–5	1–4
EW corrections ( $q\bar{q} \rightarrow ZZ$ ) (*)	1	1	2
NNLO ( $gg \rightarrow ZZ$ ) K factor	10	10	10