

Stream		$\Delta\sigma_{pp\rightarrow Z\rightarrow\tau\tau}$ [%]				
		$\tau_\mu\tau_\mu$	$\tau_\mu\tau_e$	$\tau_e\tau_\mu$	$\tau_\mu\tau_h$	$\tau_e\tau_h$
$\mathcal{A}$		1.48	1.61	1.32	1.10	1.11
$\mathcal{B}$		0.46	0.32	0.32	0.32	0.33
$N_{\text{bkg}}$	$N_{\text{QCD}}$	4.33	0.80	3.08	0.40	0.92
	$N_{\text{EWK}}$	4.22	1.54	1.52	0.40	0.72
	$N_{t\bar{t}}$	0.02	0.08	0.12	0.00	0.58
	$N_{WW}$	0.02	0.14	0.13	0.09	0.08
	$N_Z$	8.00	—	—	0.22	0.23
Total $N_{\text{bkg}}$		10.03	1.75	3.44	0.61	1.32
$\varepsilon_{\text{rec}}$	$\varepsilon_{\text{GEC}}$	0.10	0.10	0.10	0.10	0.10
	$\varepsilon_{\text{trg}}$	0.88	0.71	2.29	0.72	4.30
	$\varepsilon_{\text{trk}}^{(1)}$	0.71	0.74	3.67	0.79	3.67
	$\varepsilon_{\text{trk}}^{(2)}$	0.34	3.67	0.61	1.76	1.68
	$\varepsilon_{\text{id}}^{(1)}$	0.38	0.28	1.72	0.29	1.73
	$\varepsilon_{\text{id}}^{(2)}$	0.78	0.18	0.56	0.03	0.09
Total $\varepsilon_{\text{rec}}$		1.47	4.21	4.73	2.08	6.15
$\varepsilon_{\text{sel}}$	$\varepsilon_{\text{kin}}$	—	1.04	2.89	—	1.91
	$\varepsilon_{I_{p_T}}$	1.79	1.91	3.19	1.65	2.75
	$\varepsilon_{ \Delta\Phi }$	1.08	1.03	1.86	0.60	0.97
	$\varepsilon_{\text{IPS}}$	2.70	—	—	1.92	2.85
	$\varepsilon_{A_{p_T}}$	2.03	—	—	—	—
Total $\varepsilon_{\text{sel}}$		3.97	2.41	4.69	2.60	4.50
Total systematic		11.13	5.41	7.56	3.88	7.88