

Z boson $p_T$	Electron			Muon		
	R(c/j)	R(b/j)	R(c/b)	R(c/j)	R(b/j)	R(c/b)
0–20	$0.066 \pm 0.003 \pm 0.010$	$0.0371 \pm 0.0008 \pm 0.0011$	$1.77 \pm 0.10 \pm 0.26$	$0.061 \pm 0.003 \pm 0.009$	$0.0348 \pm 0.0006 \pm 0.0010$	$1.77 \pm 0.09 \pm 0.24$
20–30	$0.095 \pm 0.005 \pm 0.014$	$0.0505 \pm 0.0010 \pm 0.0015$	$1.89 \pm 0.11 \pm 0.28$	$0.088 \pm 0.004 \pm 0.012$	$0.0509 \pm 0.0008 \pm 0.0015$	$1.73 \pm 0.08 \pm 0.23$
30–40	$0.089 \pm 0.004 \pm 0.009$	$0.0502 \pm 0.0009 \pm 0.0012$	$1.78 \pm 0.09 \pm 0.19$	$0.083 \pm 0.003 \pm 0.008$	$0.0500 \pm 0.0007 \pm 0.0012$	$1.67 \pm 0.07 \pm 0.17$
40–50	$0.086 \pm 0.004 \pm 0.008$	$0.0537 \pm 0.0010 \pm 0.0013$	$1.60 \pm 0.09 \pm 0.17$	$0.084 \pm 0.003 \pm 0.008$	$0.0547 \pm 0.0008 \pm 0.0013$	$1.53 \pm 0.07 \pm 0.15$
50–60	$0.102 \pm 0.005 \pm 0.008$	$0.0593 \pm 0.0010 \pm 0.0012$	$1.71 \pm 0.09 \pm 0.15$	$0.090 \pm 0.004 \pm 0.007$	$0.0598 \pm 0.0008 \pm 0.0012$	$1.50 \pm 0.07 \pm 0.13$
60–70	$0.103 \pm 0.005 \pm 0.008$	$0.0631 \pm 0.0011 \pm 0.0013$	$1.64 \pm 0.08 \pm 0.14$	$0.091 \pm 0.004 \pm 0.007$	$0.0648 \pm 0.0009 \pm 0.0013$	$1.41 \pm 0.06 \pm 0.12$
70–90	$0.112 \pm 0.005 \pm 0.008$	$0.0627 \pm 0.0011 \pm 0.0012$	$1.79 \pm 0.09 \pm 0.15$	$0.098 \pm 0.004 \pm 0.008$	$0.0658 \pm 0.0009 \pm 0.0013$	$1.49 \pm 0.07 \pm 0.13$
90–120	$0.096 \pm 0.008 \pm 0.007$	$0.0724 \pm 0.0017 \pm 0.0019$	$1.32 \pm 0.12 \pm 0.13$	$0.115 \pm 0.006 \pm 0.008$	$0.0690 \pm 0.0014 \pm 0.0019$	$1.67 \pm 0.10 \pm 0.14$
120–150	$0.099 \pm 0.008 \pm 0.007$	$0.0755 \pm 0.0018 \pm 0.0020$	$1.31 \pm 0.12 \pm 0.13$	$0.116 \pm 0.007 \pm 0.008$	$0.0685 \pm 0.0015 \pm 0.0019$	$1.69 \pm 0.11 \pm 0.15$
150–200	$0.114 \pm 0.009 \pm 0.009$	$0.0710 \pm 0.0017 \pm 0.0019$	$1.61 \pm 0.14 \pm 0.15$	$0.136 \pm 0.008 \pm 0.010$	$0.0708 \pm 0.0015 \pm 0.0019$	$1.93 \pm 0.12 \pm 0.17$