

Cross section	PDF	$\alpha_s(m_Z)$ (total)	$\delta_{\alpha_s}$ (stat)	$\delta_{\alpha_s}$ (lumi)	$\delta_{\alpha_s}$ (syst)	$\delta_{\alpha_s}$ (PDF)	$\delta_{\alpha_s}$ (scale)	$\delta_{\alpha_s}$ (num)
$W_e^+$ (7 TeV)	CT14	0.1193 <sup>+0.0062</sup> <sub>-0.0062</sub>	0.0004	0.0046	0.0022	+0.0031 -0.0032	0.0017	0.0006
	HERAPDF2.0	0.1108 <sup>+0.0090</sup> <sub>-0.0097</sub>	0.0006	0.0072	0.0035	+0.0033 -0.0050	0.0017	0.0012
	MMHT14	0.1179 <sup>+0.0049</sup> <sub>-0.0047</sub>	0.0003	0.0037	0.0018	+0.0025 -0.0020	0.0008	0.0005
	NNPDF3.0	0.1200 <sup>+0.0054</sup> <sub>-0.0054</sub>	0.0004	0.0043	0.0021	+0.0022 -0.0022	0.0009	0.0006
$W_e^-$ (7 TeV)	CT14	0.1208 <sup>+0.0064</sup> <sub>-0.0061</sub>	0.0005	0.0047	0.0022	+0.0034 -0.0030	0.001	0.0004
	HERAPDF2.0	0.1152 <sup>+0.0136</sup> <sub>-0.0149</sub>	0.0013	0.0118	0.0056	+0.0027 -0.0066	0.0025	0.0009
	MMHT14	0.1195 <sup>+0.0047</sup> <sub>-0.0053</sub>	0.0004	0.0040	0.0019	+0.0012 -0.0027	0.0007	0.0003
	NNPDF3.0	0.1239 <sup>+0.0073</sup> <sub>-0.0073</sub>	0.0007	0.0060	0.0028	+0.0029 -0.0029	0.0011	0.0005
$Z_e$ (7 TeV)	CT14	0.1247 <sup>+0.0068</sup> <sub>-0.0070</sub>	0.0014	0.0051	0.0028	+0.0031 -0.0036	0.0004	0.0003
	HERAPDF2.0	0.1226 <sup>+0.0106</sup> <sub>-0.0121</sub>	0.0025	0.0088	0.0049	+0.0018 -0.0061	0.0007	0.0005
	MMHT14	0.1222 <sup>+0.0047</sup> <sub>-0.0050</sub>	0.0011	0.0038	0.0021	+0.0012 -0.0022	0.0006	0.0002
	NNPDF3.0	0.1279 <sup>+0.0074</sup> <sub>-0.0074</sub>	0.0016	0.0058	0.0032	+0.0027 -0.0027	0.0007	0.0003
$W_\mu^+$ (7 TeV)	CT14	0.1178 <sup>+0.0049</sup> <sub>-0.0058</sub>	0.0003	0.0040	0.0015	+0.0023 -0.0039	0.0007	0.0005
	HERAPDF2.0	0.1085 <sup>+0.0083</sup> <sub>-0.0108</sub>	0.0006	0.0070	0.0026	+0.0026 -0.0073	0.0023	0.0009
	MMHT14	0.1170 <sup>+0.0048</sup> <sub>-0.0053</sub>	0.0003	0.0039	0.0015	+0.0022 -0.0031	0.0006	0.0006
	NNPDF3.0	0.1185 <sup>+0.0054</sup> <sub>-0.0054</sub>	0.0003	0.0044	0.0016	+0.0022 -0.0022	0.0011	0.0006
$W_\mu^-$ (7 TeV)	CT14	0.1186 <sup>+0.0050</sup> <sub>-0.0057</sub>	0.0004	0.0041	0.0014	+0.0023 -0.0036	0.0009	0.0003
	HERAPDF2.0	0.1109 <sup>+0.0111</sup> <sub>-0.0109</sub>	0.001	0.0094	0.0033	+0.0040 -0.0035	0.0023	0.0008
	MMHT14	0.1177 <sup>+0.0046</sup> <sub>-0.0047</sub>	0.0004	0.0039	0.0014	+0.0017 -0.0021	0.0009	0.0003
	NNPDF3.0	0.1212 <sup>+0.0070</sup> <sub>-0.0070</sub>	0.0006	0.0058	0.0020	+0.0029 -0.0029	0.0013	0.0004
$Z_\mu$ (7 TeV)	CT14	0.1232 <sup>+0.0062</sup> <sub>-0.0077</sub>	0.001	0.0051	0.0022	+0.0023 -0.0051	0.0005	0.0003
	HERAPDF2.0	0.1200 <sup>+0.0108</sup> <sub>-0.0108</sub>	0.0017	0.0092	0.0040	+0.0034 -0.0034	0.0012	0.0005
	MMHT14	0.1213 <sup>+0.0051</sup> <sub>-0.0045</sub>	0.0007	0.0039	0.0017	+0.0027 -0.001	0.0005	0.0002
	NNPDF3.0	0.1261 <sup>+0.0070</sup> <sub>-0.0070</sub>	0.0011	0.0057	0.0025	+0.0028 -0.0028	0.0007	0.0003
$W_e^+$ (8 TeV)	CT14	0.1181 <sup>+0.0081</sup> <sub>-0.0083</sub>	0.0009	0.0039	0.0047	+0.0049 -0.0053	0.0015	0.0009
	HERAPDF2.0	0.1030 <sup>+0.0154</sup> <sub>-0.0140</sub>	0.0015	0.0070	0.0085	+0.0099 -0.0075	0.0037	0.0017
	MMHT14	0.1172 <sup>+0.0045</sup> <sub>-0.0057</sub>	0.0006	0.0025	0.0031	+0.0017 -0.0039	0.0011	0.0006
	NNPDF3.0	0.1188 <sup>+0.0049</sup> <sub>-0.0049</sub>	0.0006	0.0027	0.0032	+0.0022 -0.0022	0.0012	0.0006
$W_e^-$ (8 TeV)	CT14	0.1169 <sup>+0.0046</sup> <sub>-0.0044</sub>	0.0004	0.0025	0.0025	+0.0029 -0.0025	0.0006	0.0003
	HERAPDF2.0	0.1066 <sup>+0.0098</sup> <sub>-0.0094</sub>	0.001	0.0057	0.0057	+0.0049 -0.0042	0.0020	0.0009
	MMHT14	0.1163 <sup>+0.0036</sup> <sub>-0.0041</sub>	0.0004	0.0022	0.0022	+0.0014 -0.0025	0.001	0.0003
	NNPDF3.0	0.1187 <sup>+0.0059</sup> <sub>-0.0059</sub>	0.0006	0.0035	0.0035	+0.0029 -0.0029	0.0008	0.0005
$Z_e$ (8 TeV)	CT14	0.1216 <sup>+0.0056</sup> <sub>-0.0062</sub>	0.0027	0.0027	0.0027	+0.0029 -0.0040	0.0007	0.0003
	HERAPDF2.0	0.1173 <sup>+0.0084</sup> <sub>-0.0093</sub>	0.0045	0.0045	0.0045	+0.0031 -0.0051	0.0009	0.0005
	MMHT14	0.1201 <sup>+0.0044</sup> <sub>-0.0039</sub>	0.0021	0.0021	0.0021	+0.0023 -0.0013	0.0006	0.0002
	NNPDF3.0	0.1245 <sup>+0.0060</sup> <sub>-0.0060</sub>	0.0031	0.0031	0.0031	+0.0027 -0.0027	0.0006	0.0003
$W_\mu^+$ (8 TeV)	CT14	0.1173 <sup>+0.0055</sup> <sub>-0.0053</sub>	0.0004	0.0032	0.0016	+0.0038 -0.0035	0.0014	0.0008
	HERAPDF2.0	0.1076 <sup>+0.0055</sup> <sub>-0.0101</sub>	0.0006	0.0045	0.0022	+0.0011 -0.0085	0.0019	0.0009
	MMHT14	0.1168 <sup>+0.0035</sup> <sub>-0.0041</sub>	0.0003	0.0024	0.0012	+0.0020 -0.0029	0.0009	0.0005
	NNPDF3.0	0.1182 <sup>+0.0038</sup> <sub>-0.0038</sub>	0.0003	0.0027	0.0013	+0.0022 -0.0022	0.0007	0.0006
$W_\mu^-$ (8 TeV)	CT14	0.1209 <sup>+0.0053</sup> <sub>-0.0046</sub>	0.0005	0.0032	0.0011	+0.0039 -0.0030	0.0008	0.0003
	HERAPDF2.0	0.1147 <sup>+0.0081</sup> <sub>-0.0072</sub>	0.0010	0.0062	0.0021	+0.0041 -0.0021	0.0018	0.0007
	MMHT14	0.1195 <sup>+0.0035</sup> <sub>-0.0034</sub>	0.0004	0.0026	0.0009	+0.0019 -0.0016	0.0009	0.0003
	NNPDF3.0	0.1238 <sup>+0.0052</sup> <sub>-0.0052</sub>	0.0006	0.0039	0.0013	+0.0029 -0.0029	0.0011	0.0004
$Z_\mu$ (8 TeV)	CT14	0.1220 <sup>+0.0067</sup> <sub>-0.0069</sub>	0.0032	0.0032	0.0032	+0.0037 -0.0040	0.0006	0.0003
	HERAPDF2.0	0.1170 <sup>+0.0112</sup> <sub>-0.0116</sub>	0.0060	0.0060	0.0060	+0.0036 -0.0048	0.0013	0.0006
	MMHT14	0.1202 <sup>+0.0050</sup> <sub>-0.0043</sub>	0.0024	0.0024	0.0024	+0.0027 -0.0007	0.0005	0.0002
	NNPDF3.0	0.1244 <sup>+0.0066</sup> <sub>-0.0066</sub>	0.0034	0.0034	0.0034	+0.0028 -0.0028	0.0006	0.0003