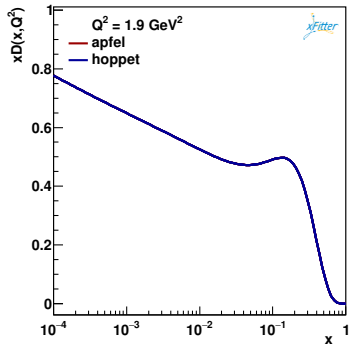
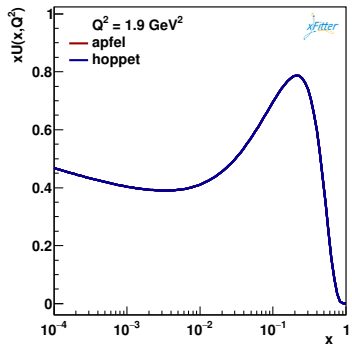
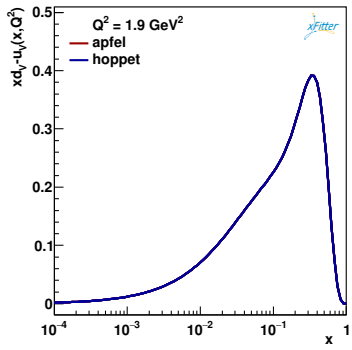
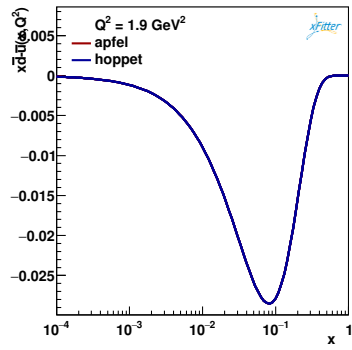
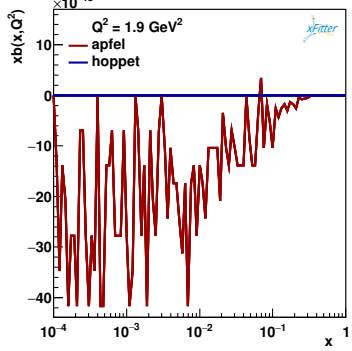
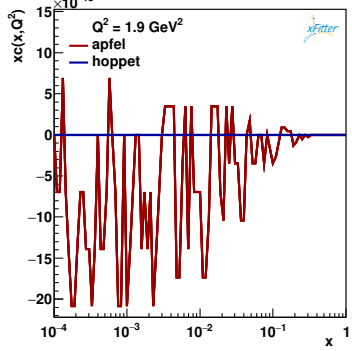
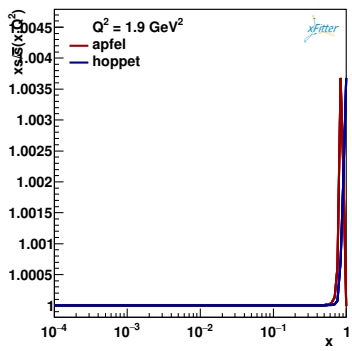
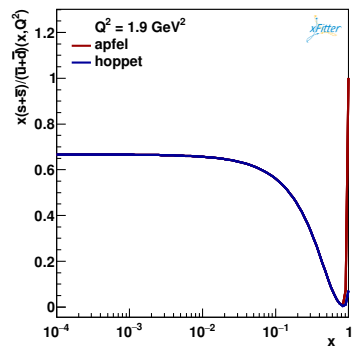
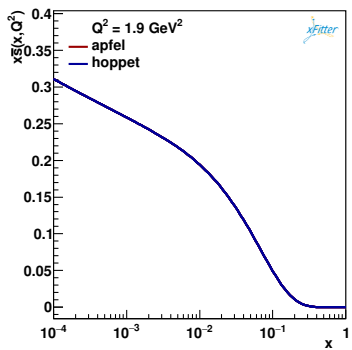
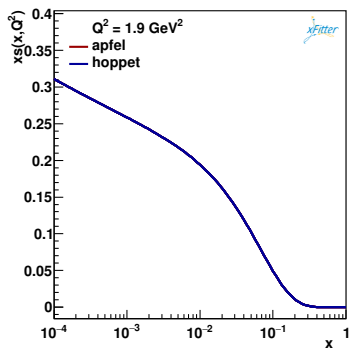
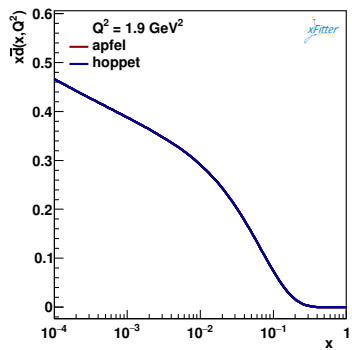
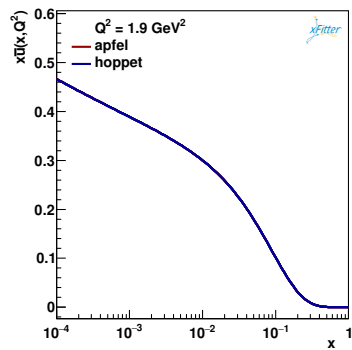
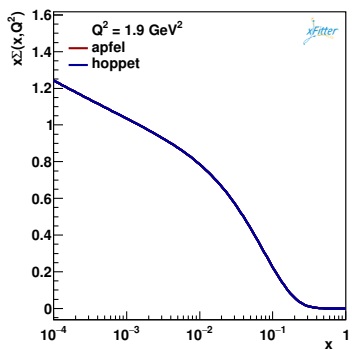
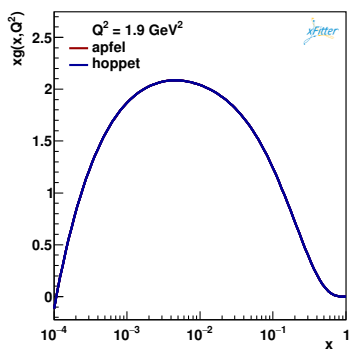
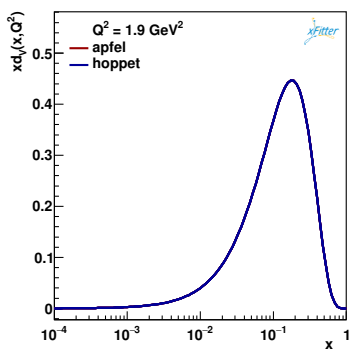
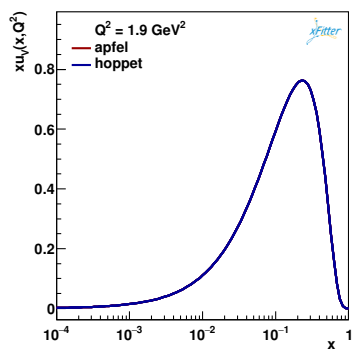
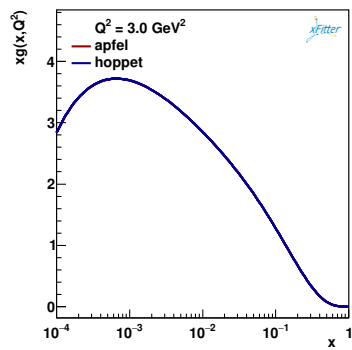
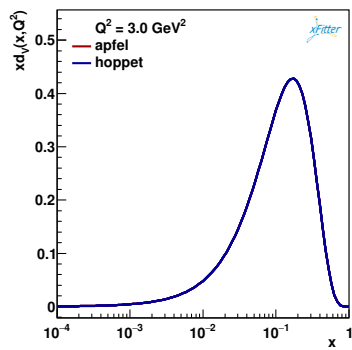
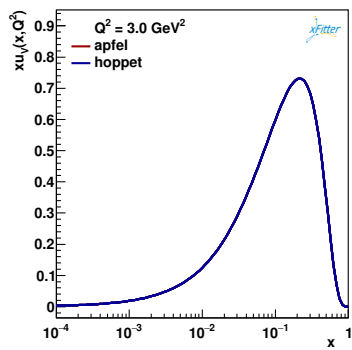
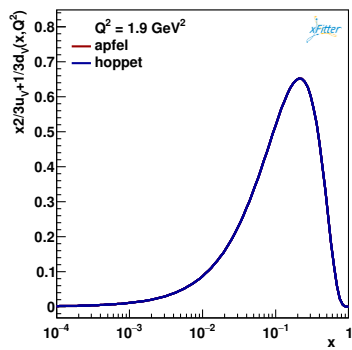
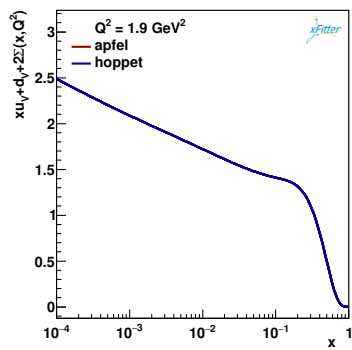
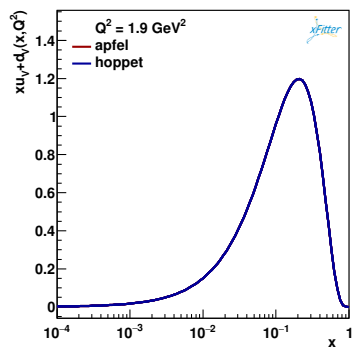
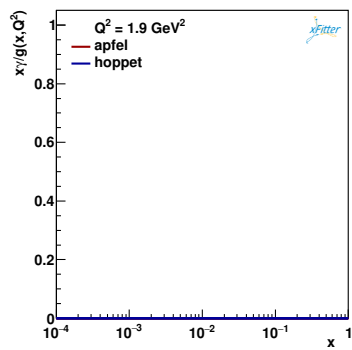
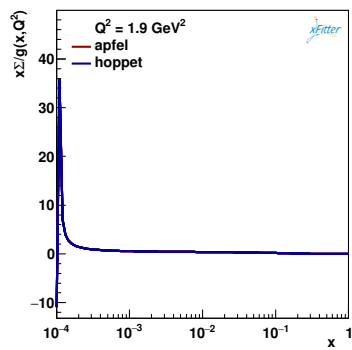
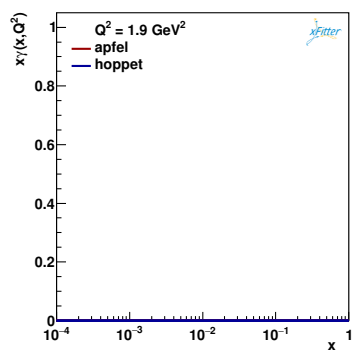
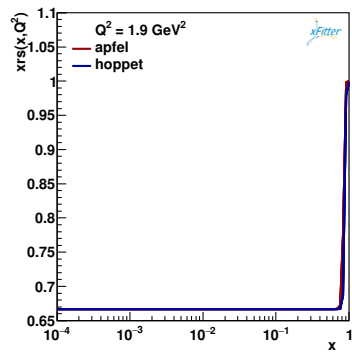
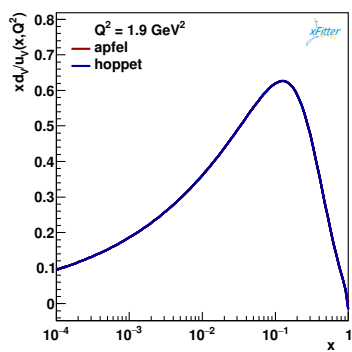
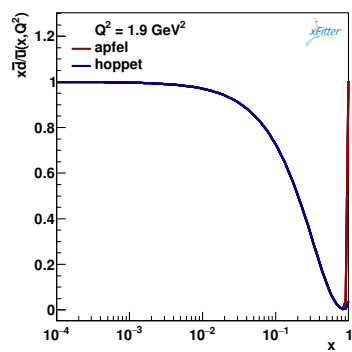
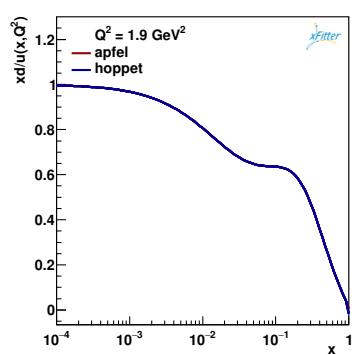
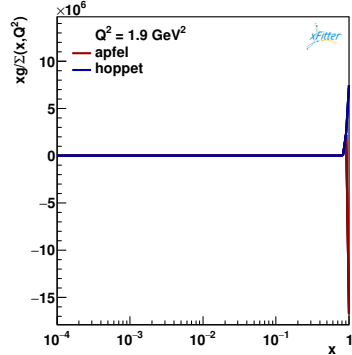
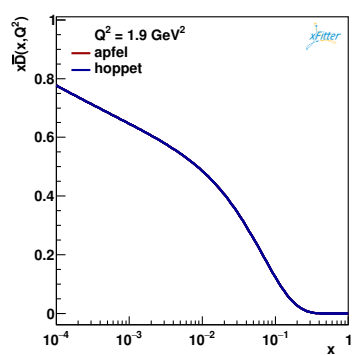
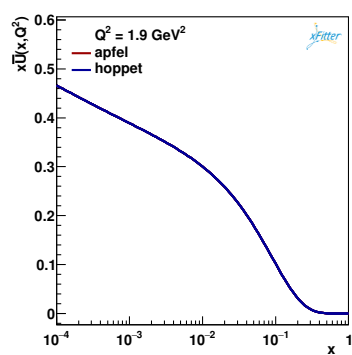
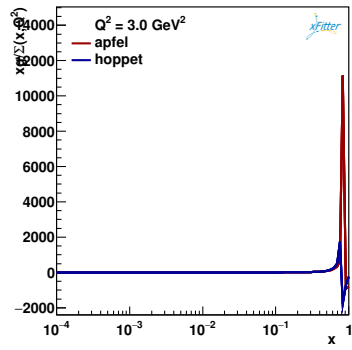
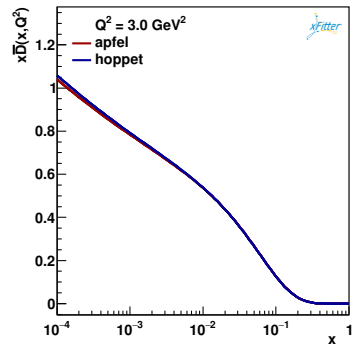
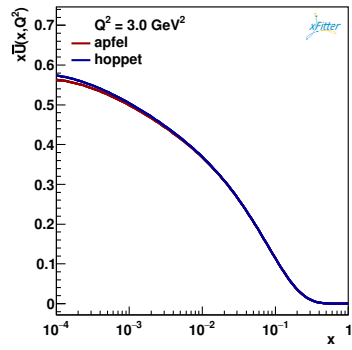
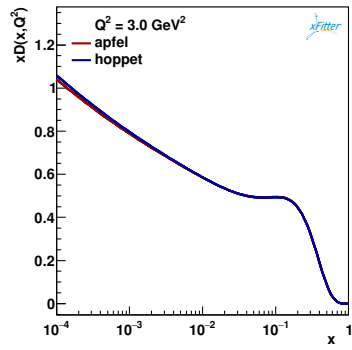
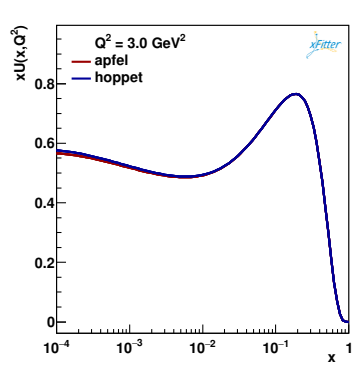
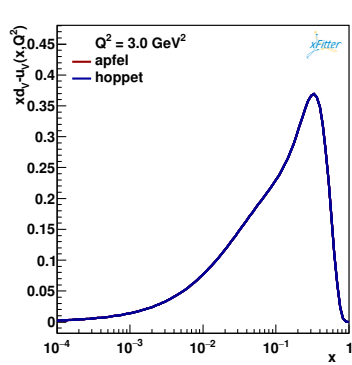
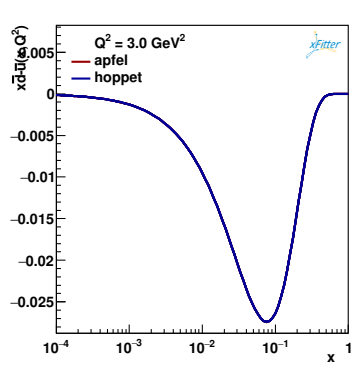
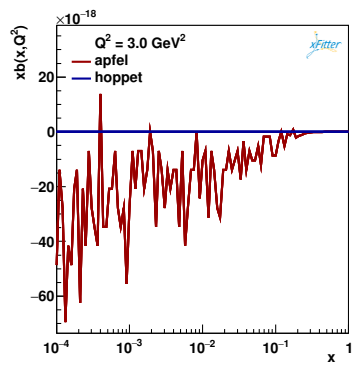
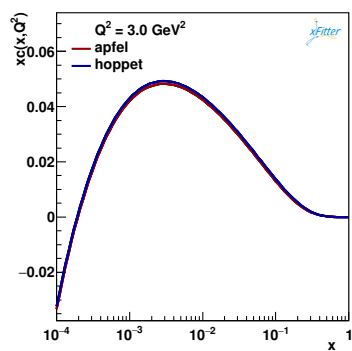
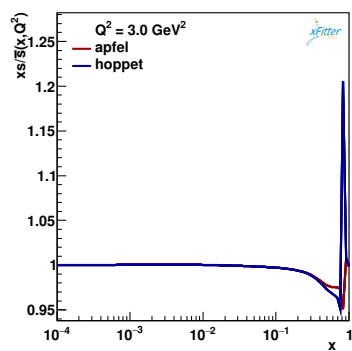
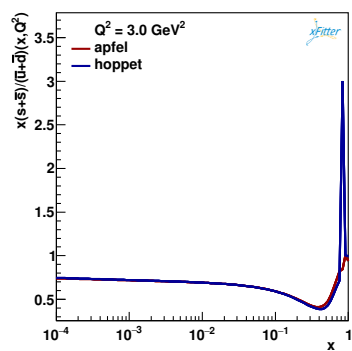
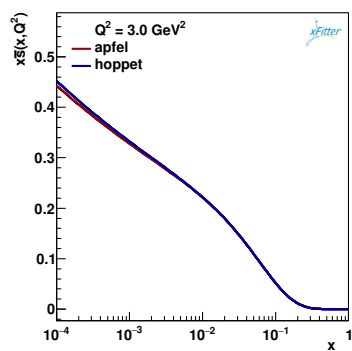
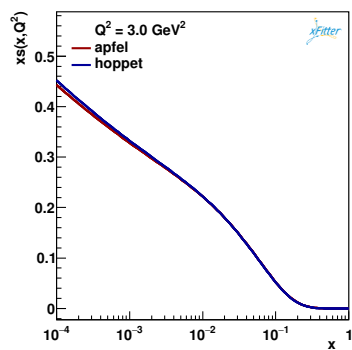
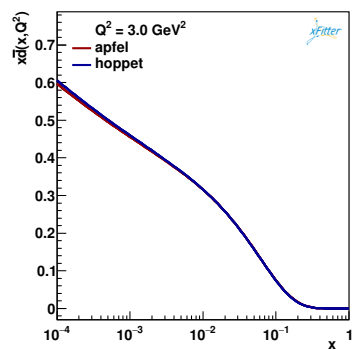
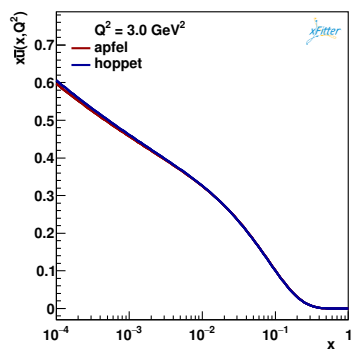
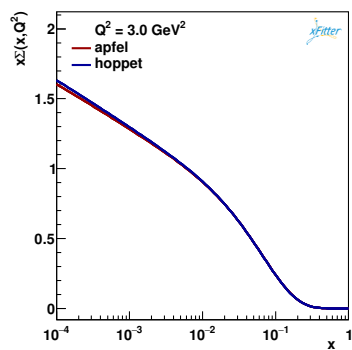
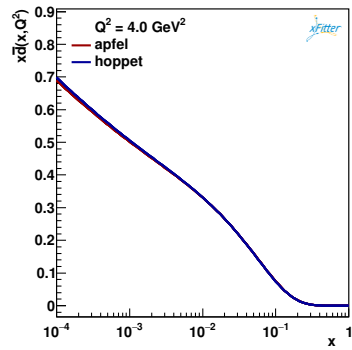
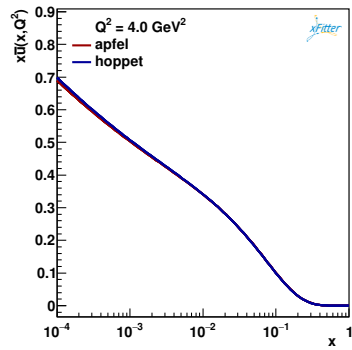
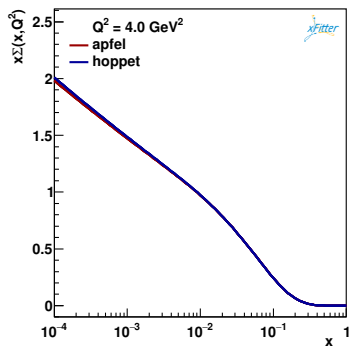
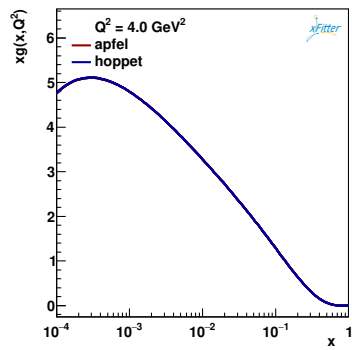
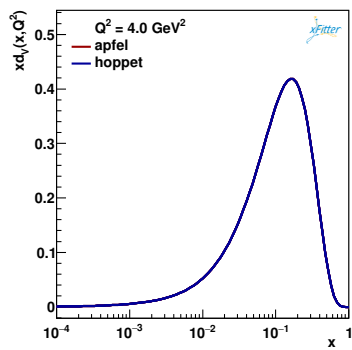
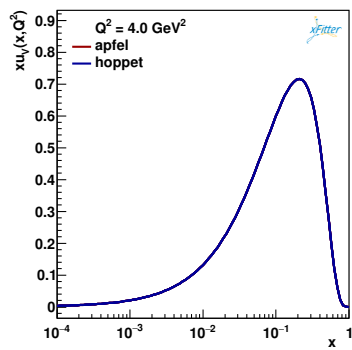
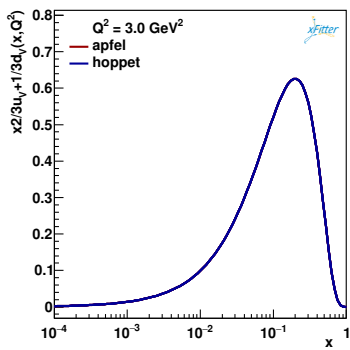
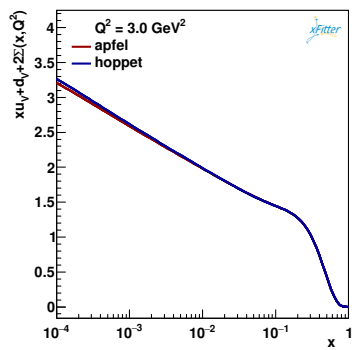
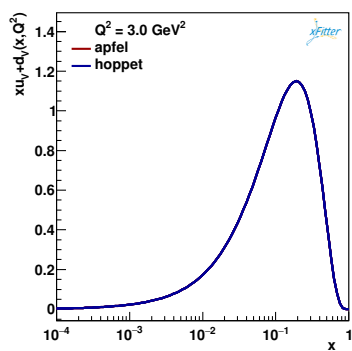
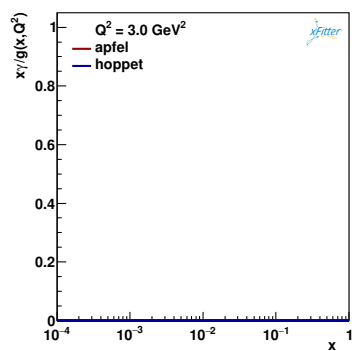
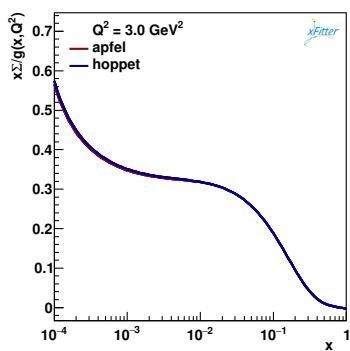
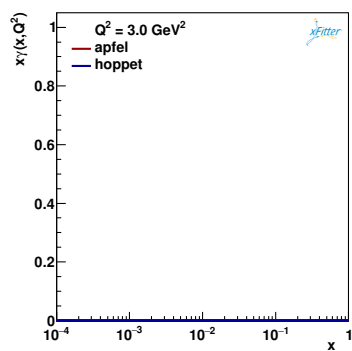
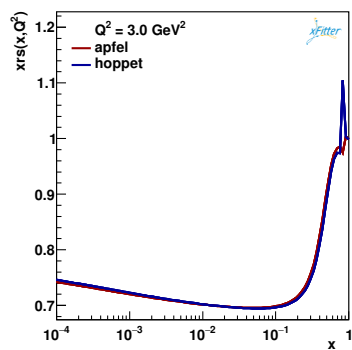
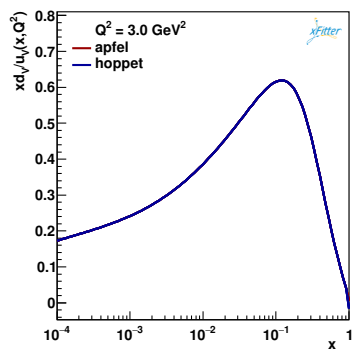
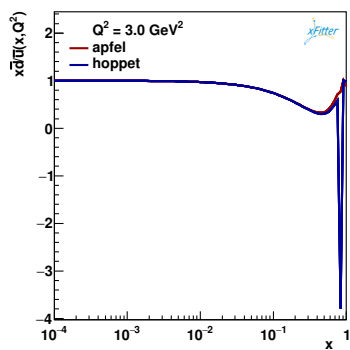
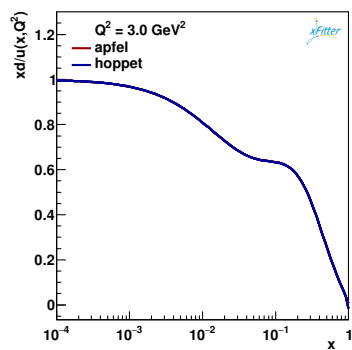
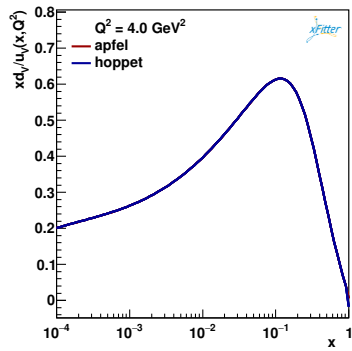
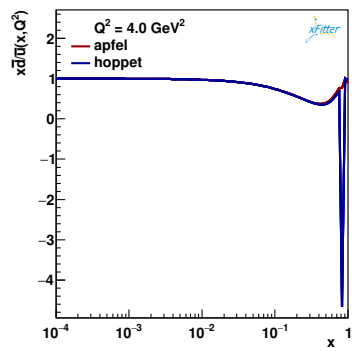
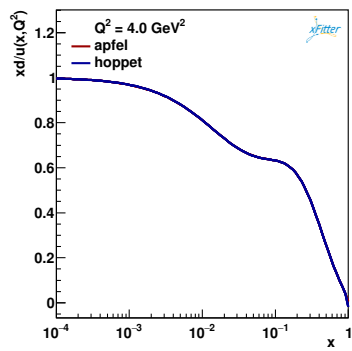
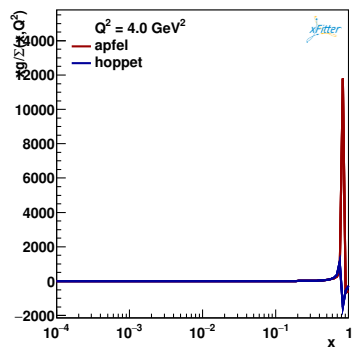
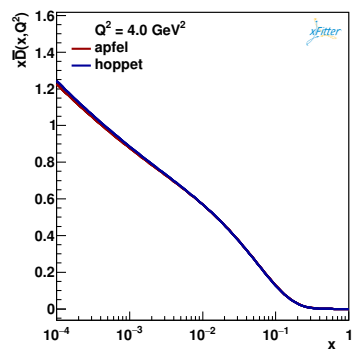
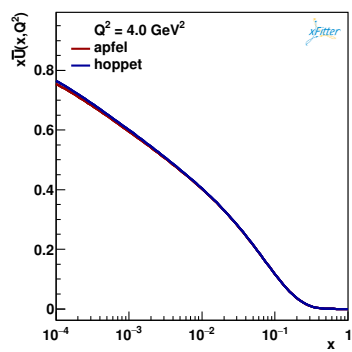
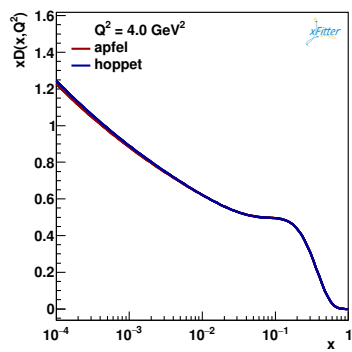
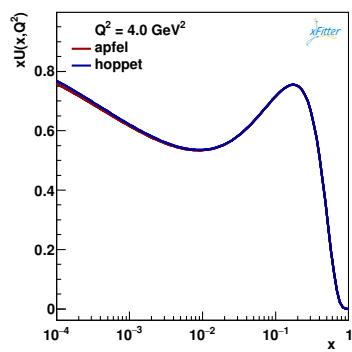
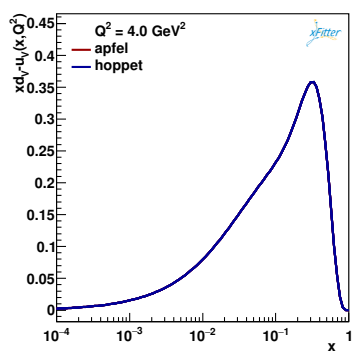
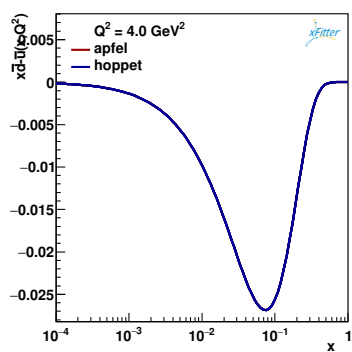
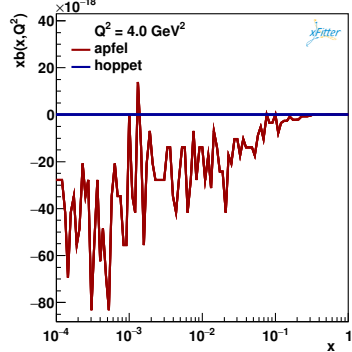
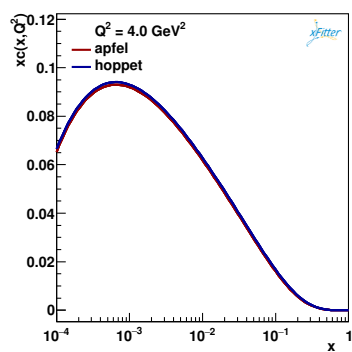
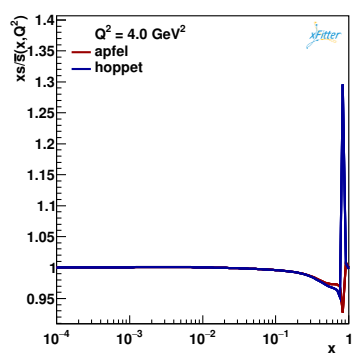
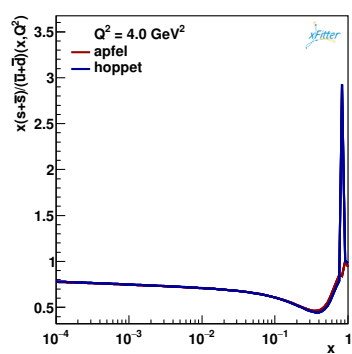
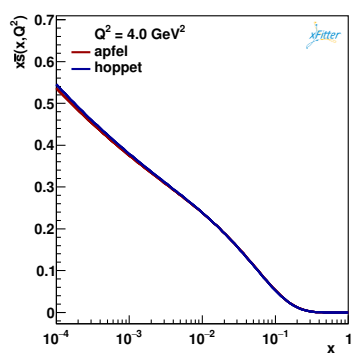
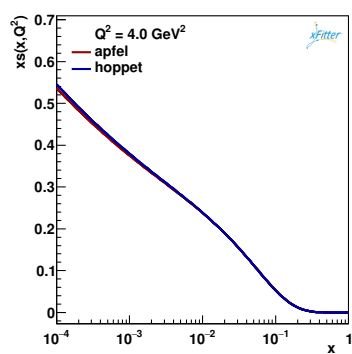


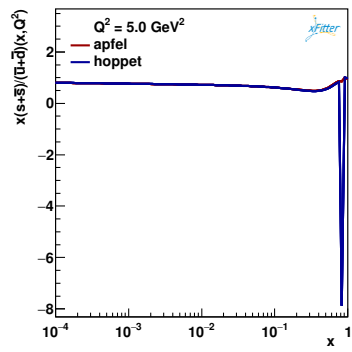
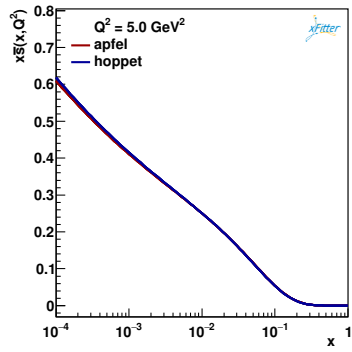
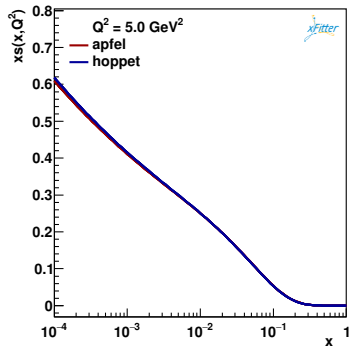
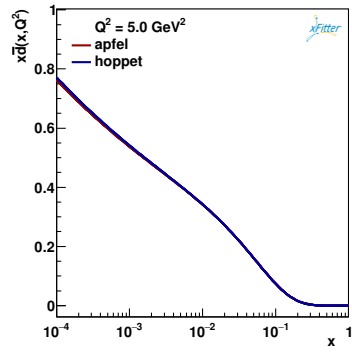
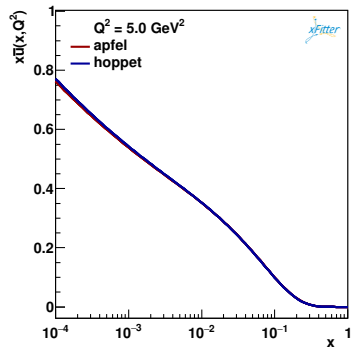
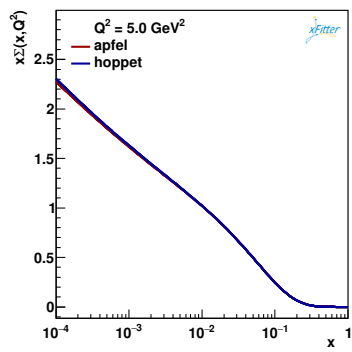
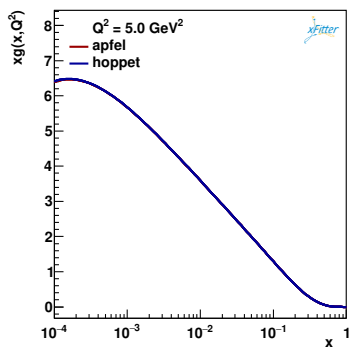
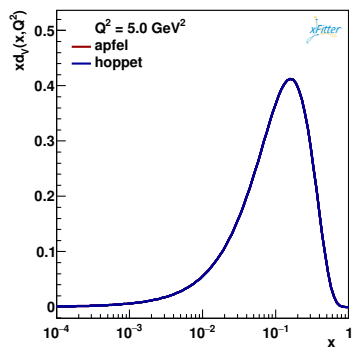
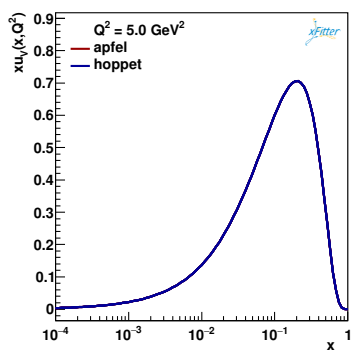
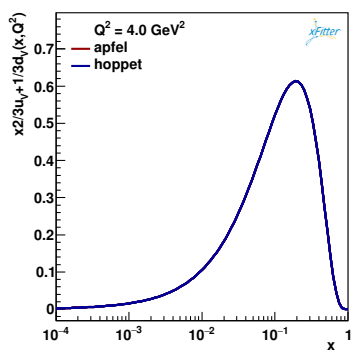
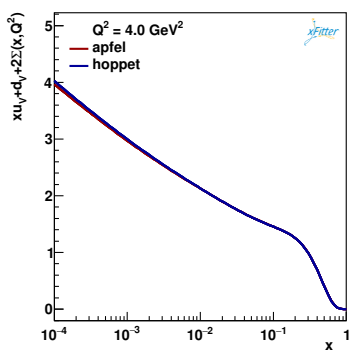
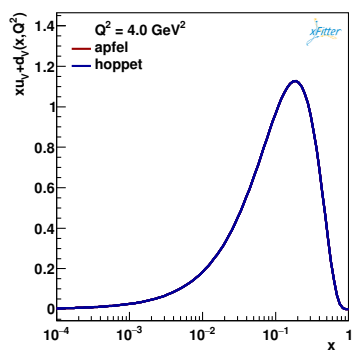
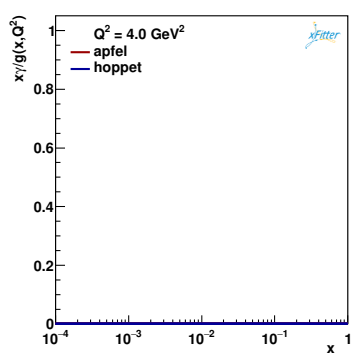
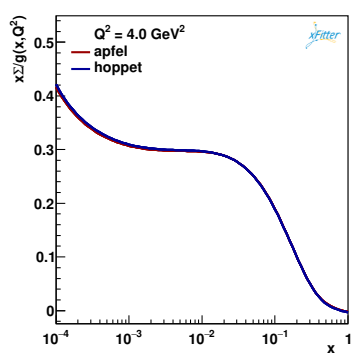
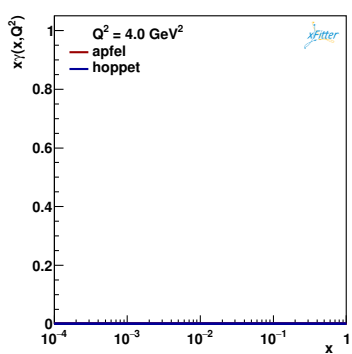
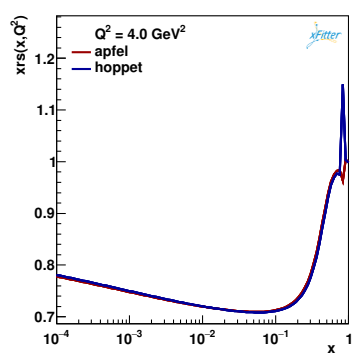


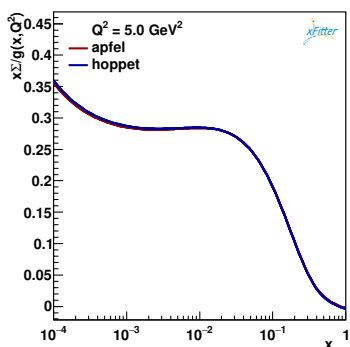
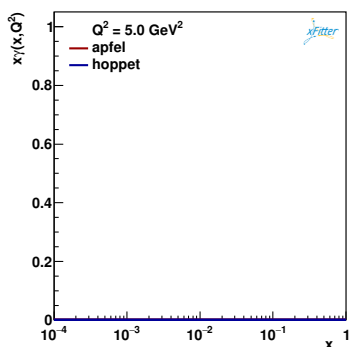
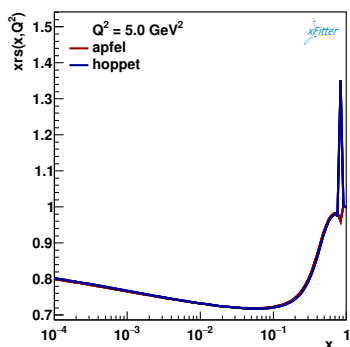
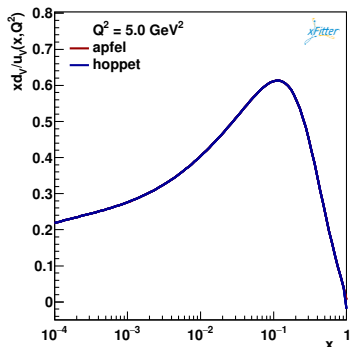
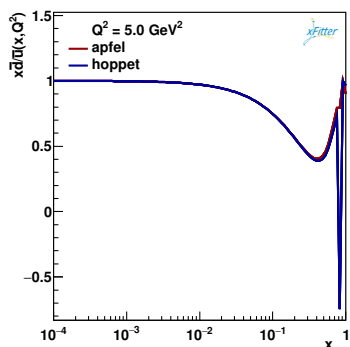
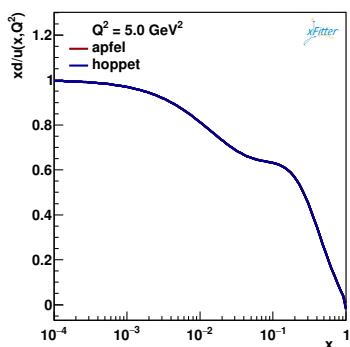
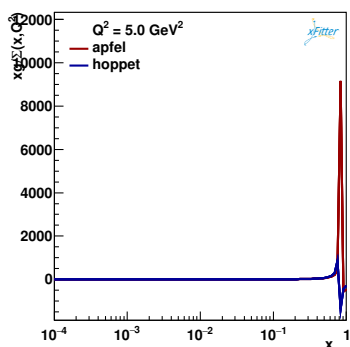
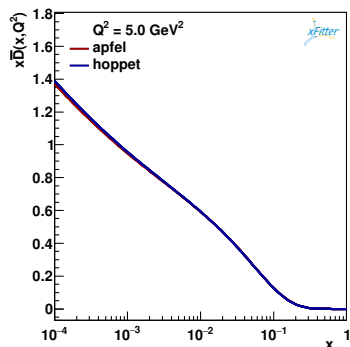
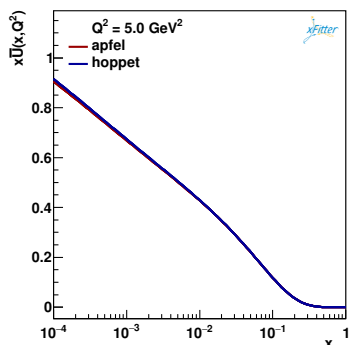
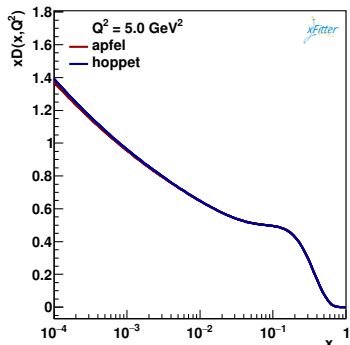
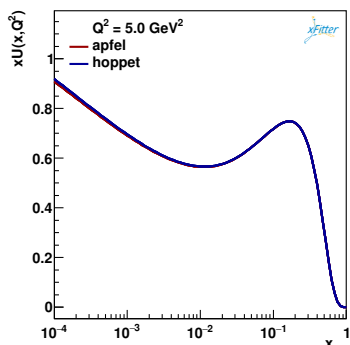
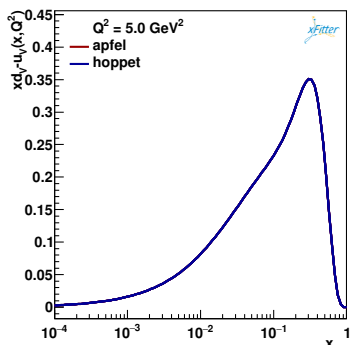
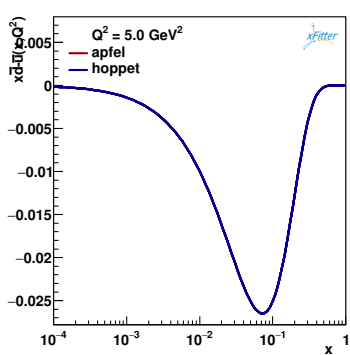
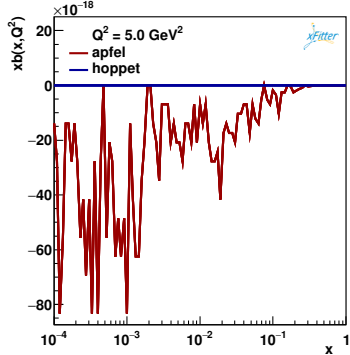
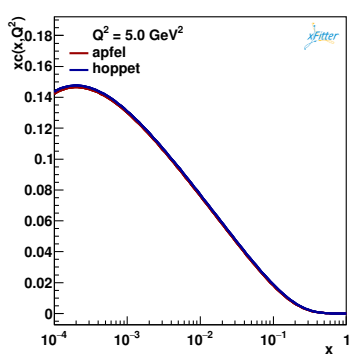
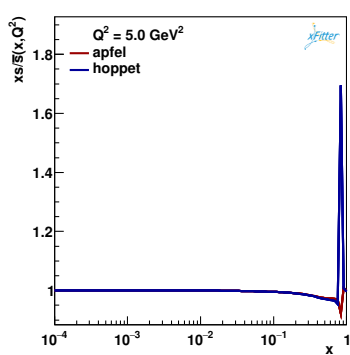


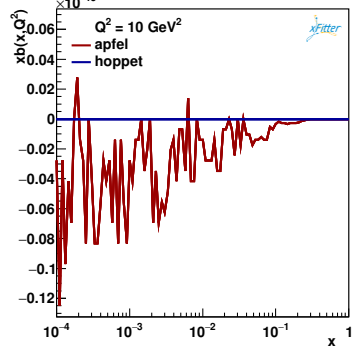
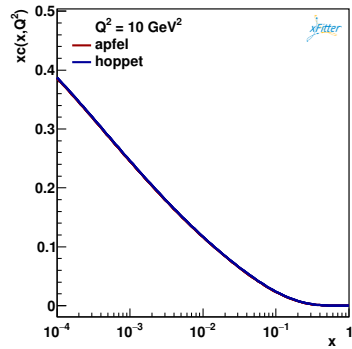
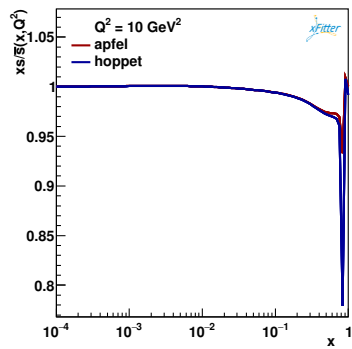
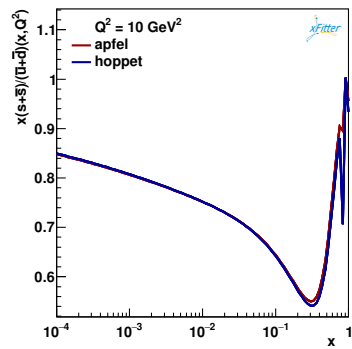
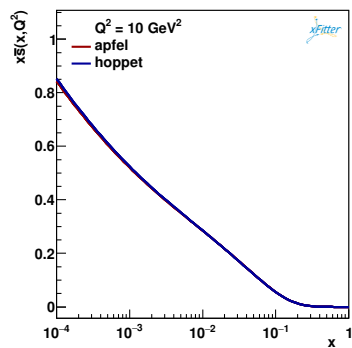
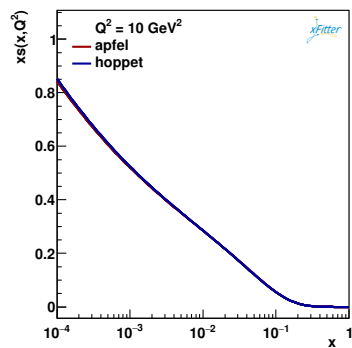
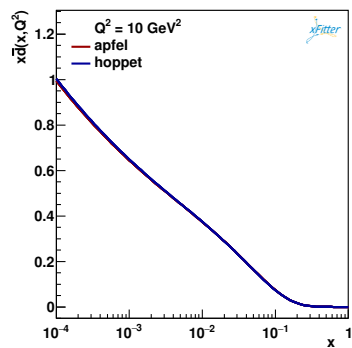
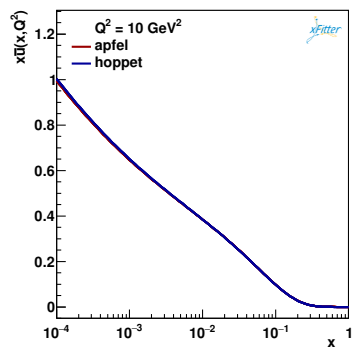
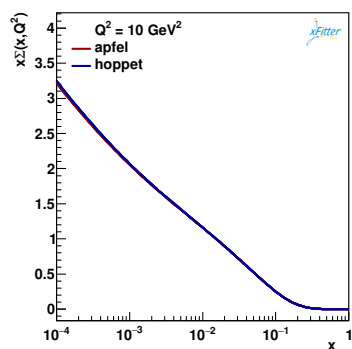
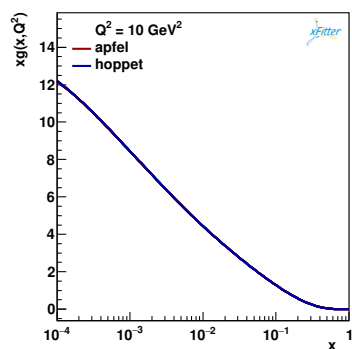
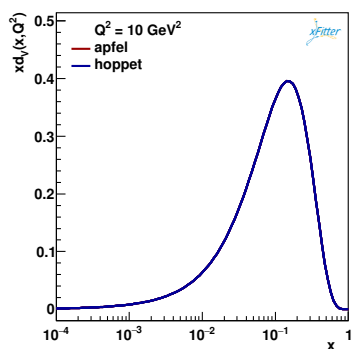
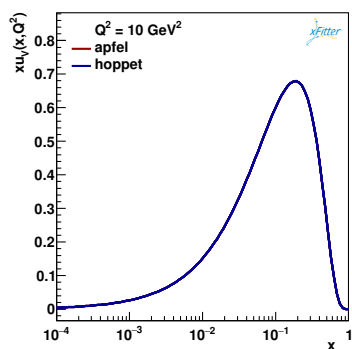
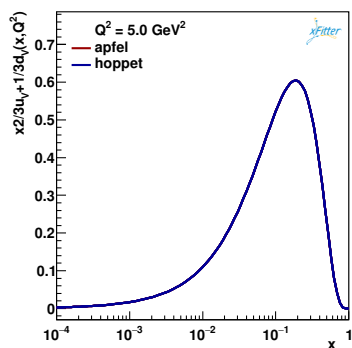
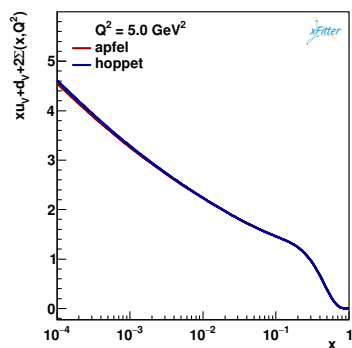
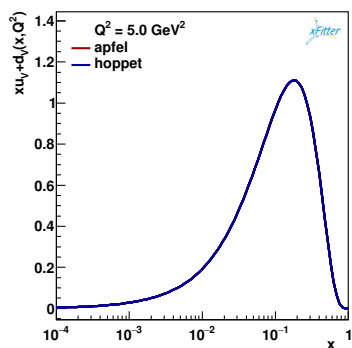
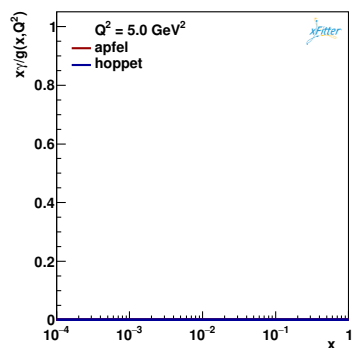


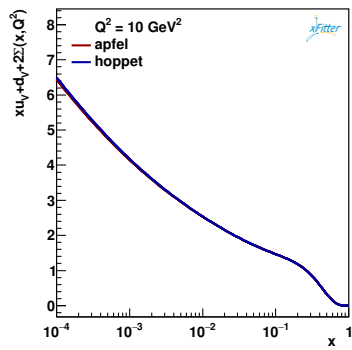
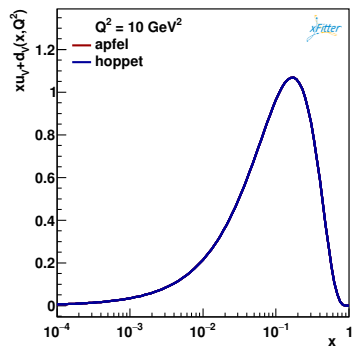
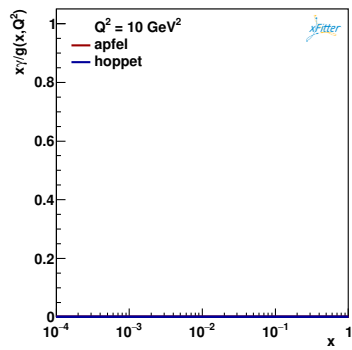
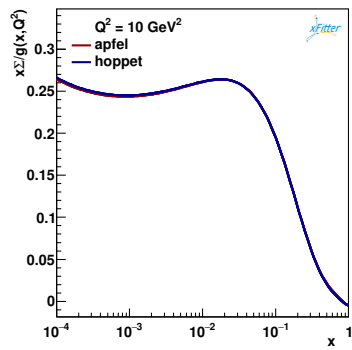
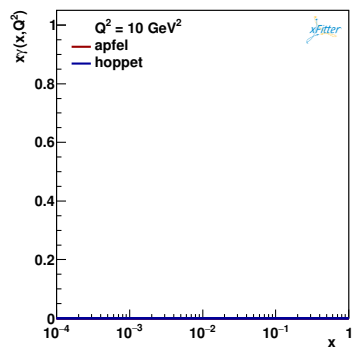
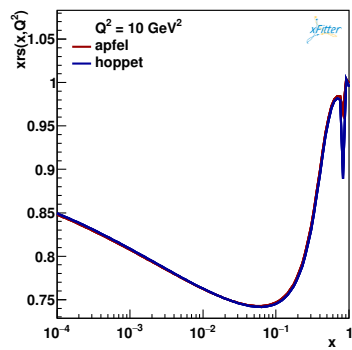
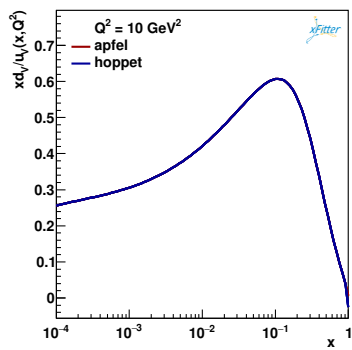
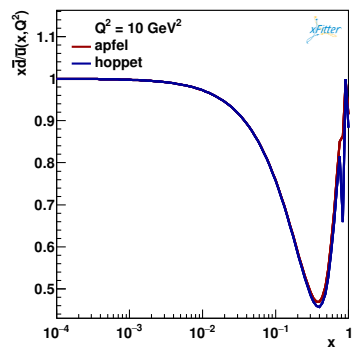
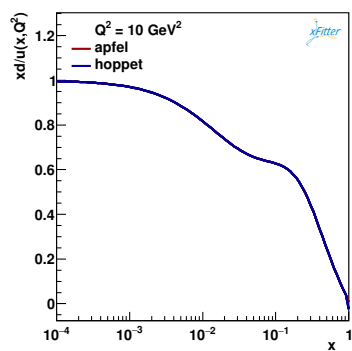
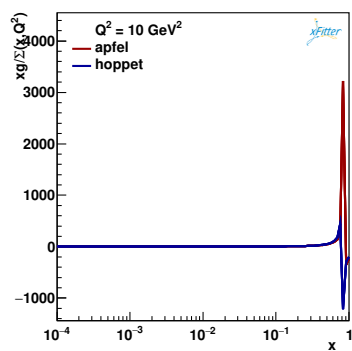
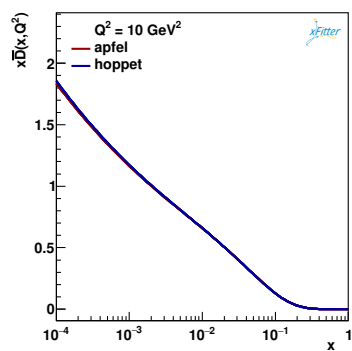
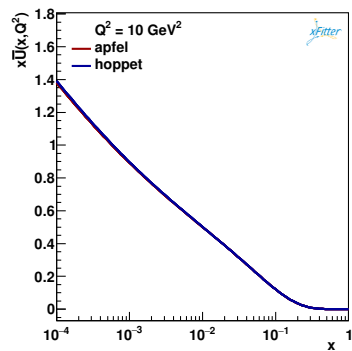
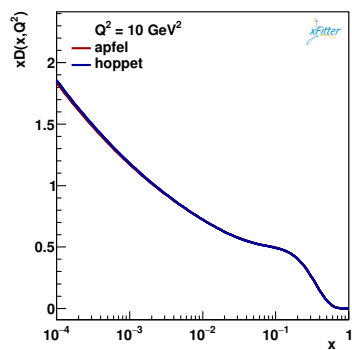
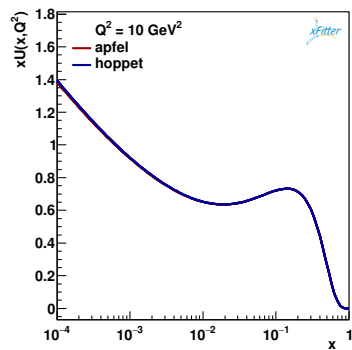
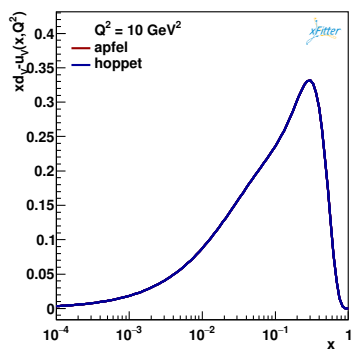
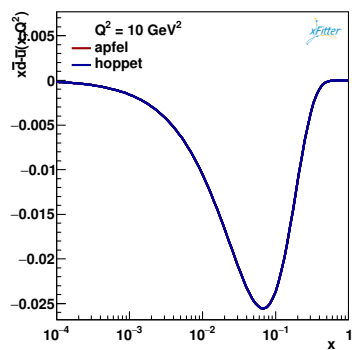


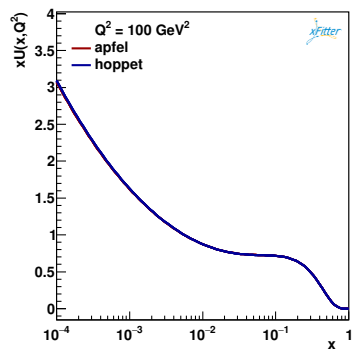
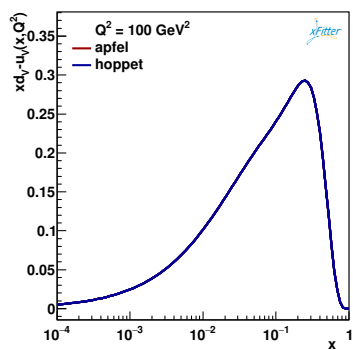
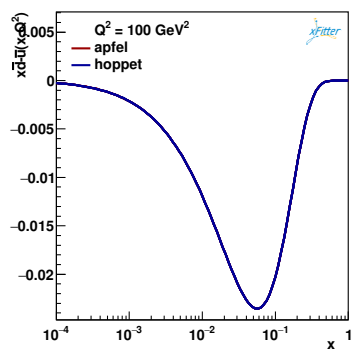
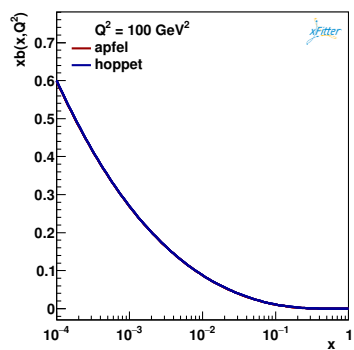
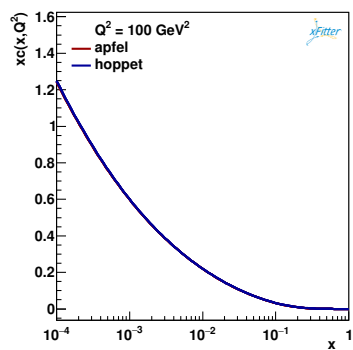
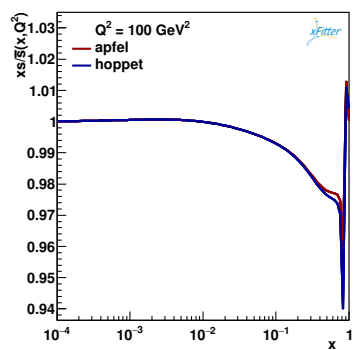
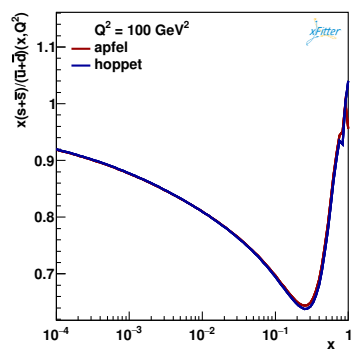
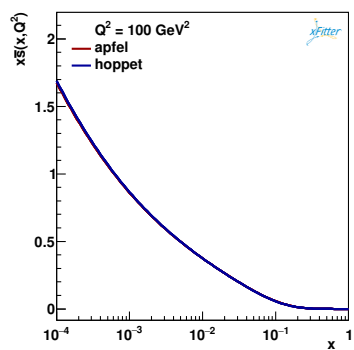
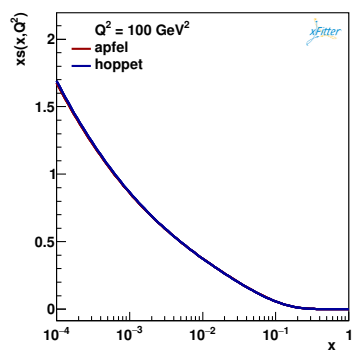
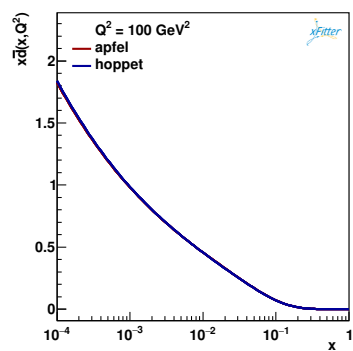
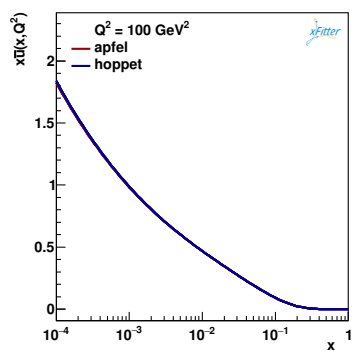
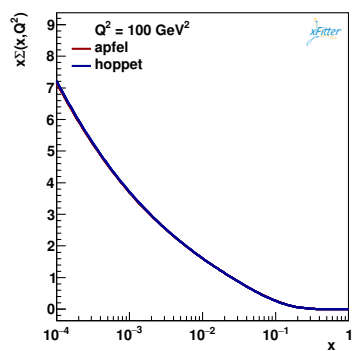
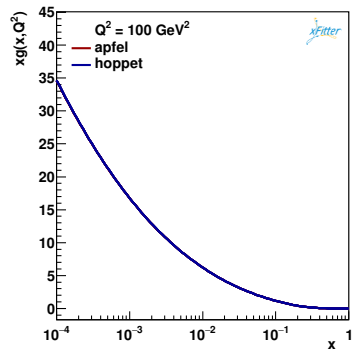
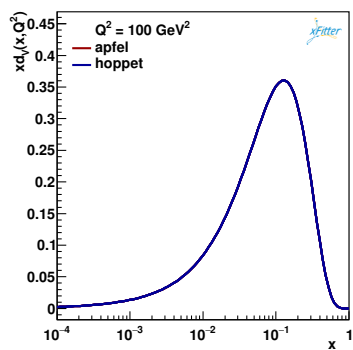
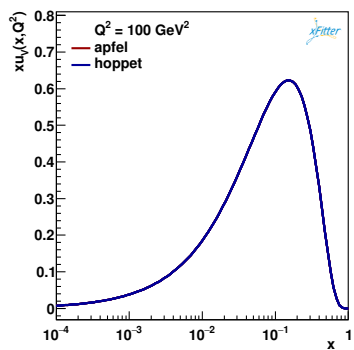
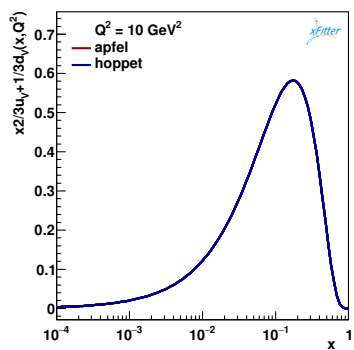


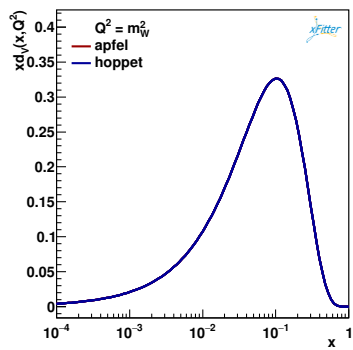
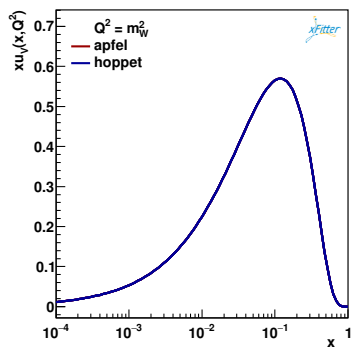
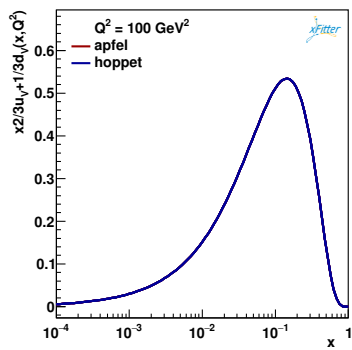
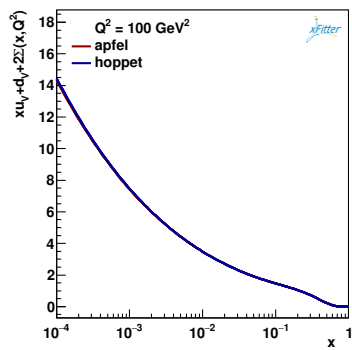
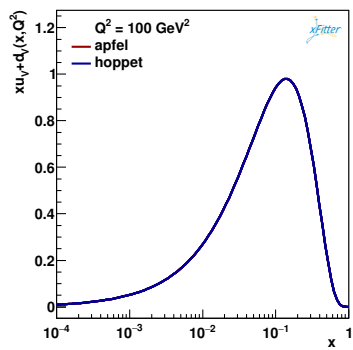
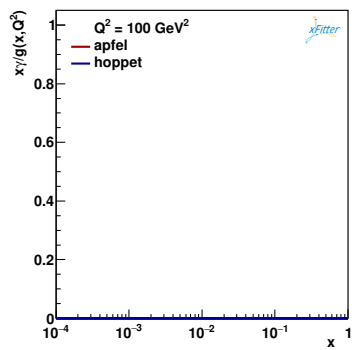
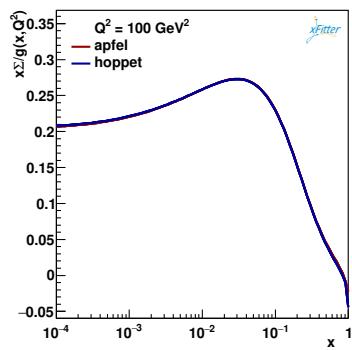
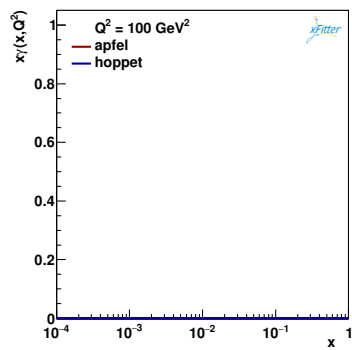
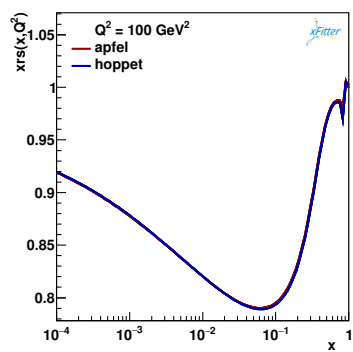
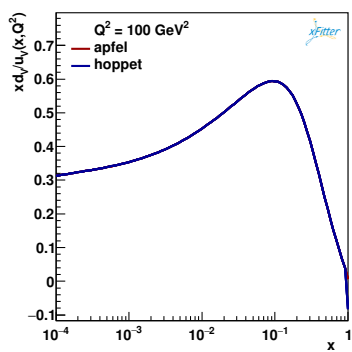
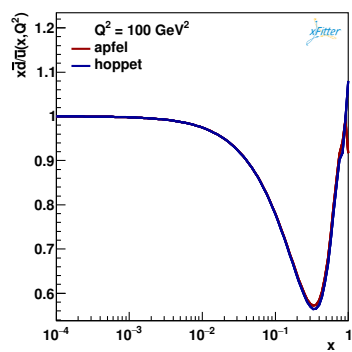
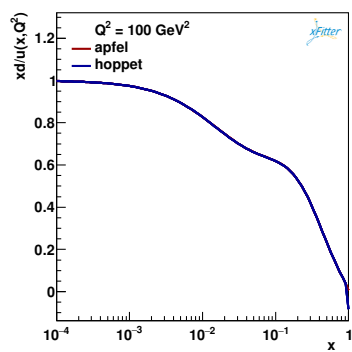
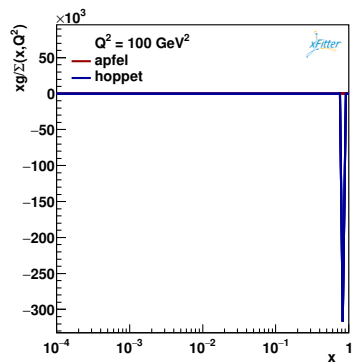
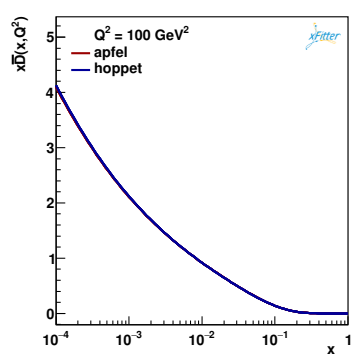
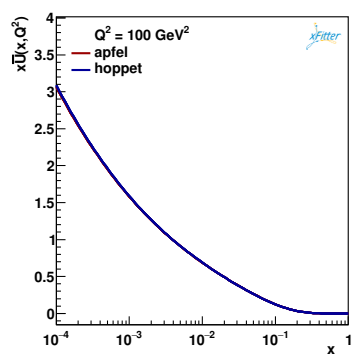
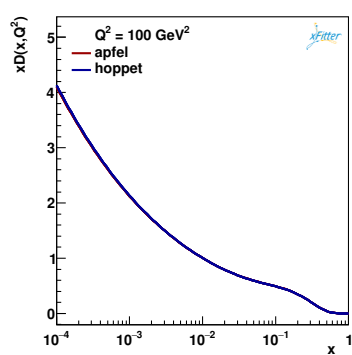


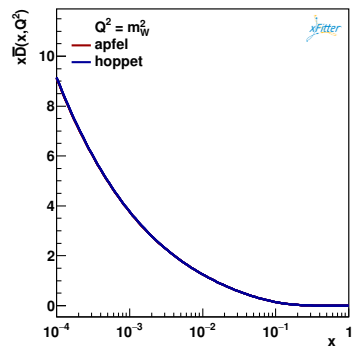
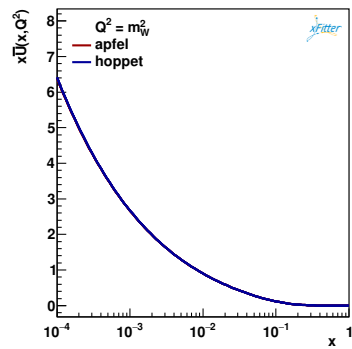
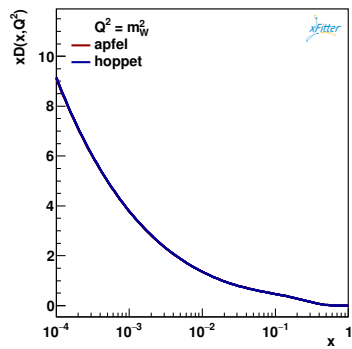
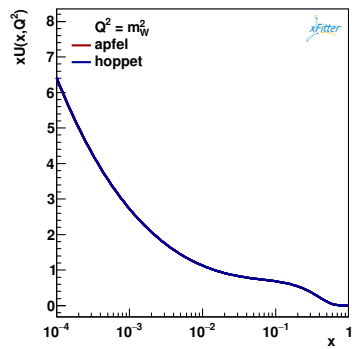
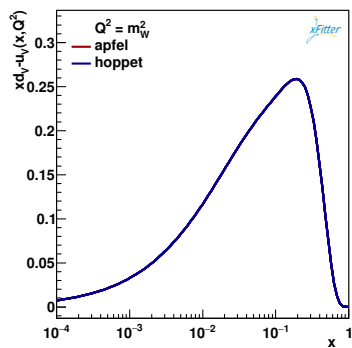
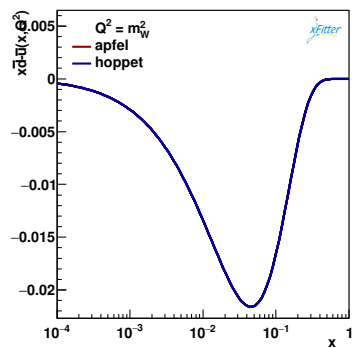
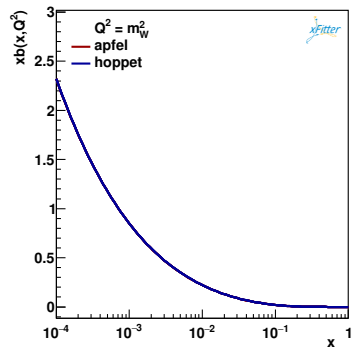
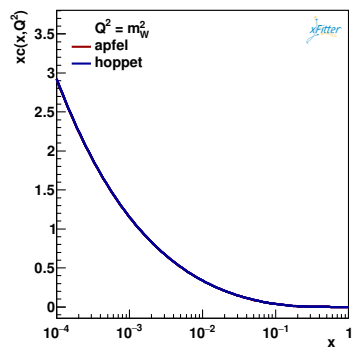
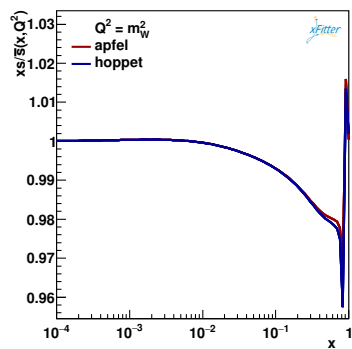
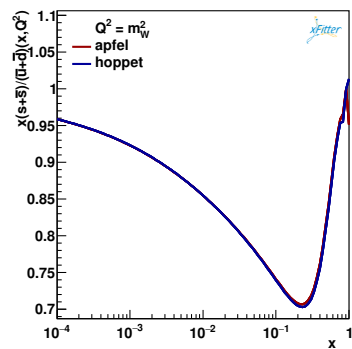
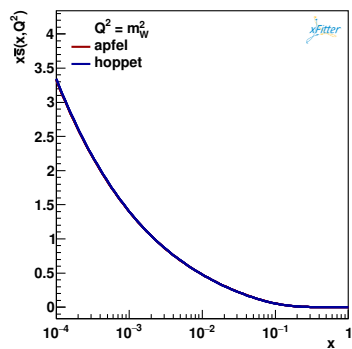
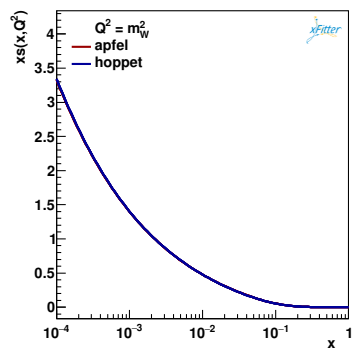
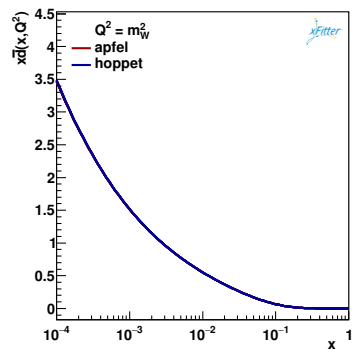
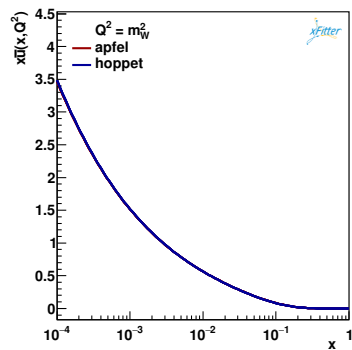
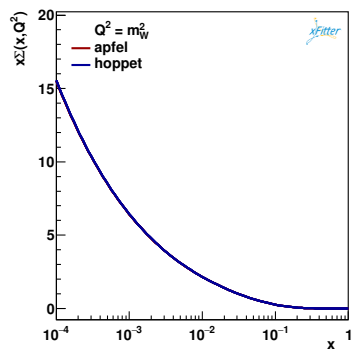
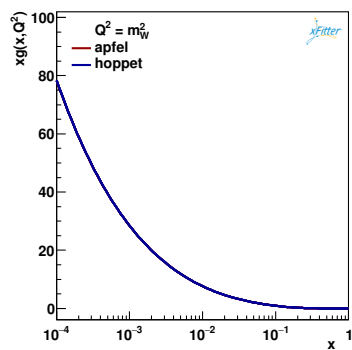


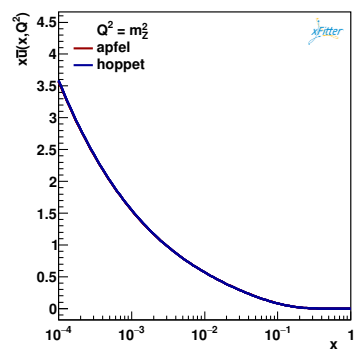
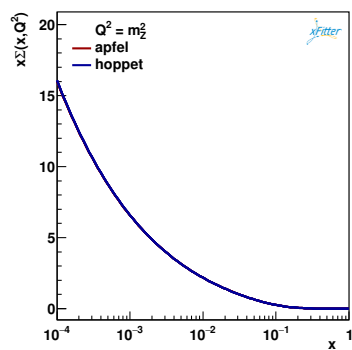
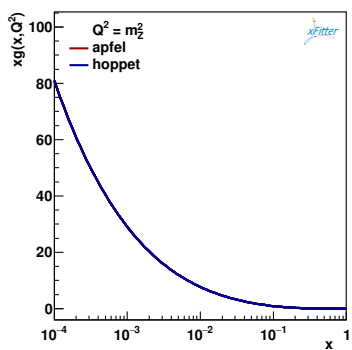
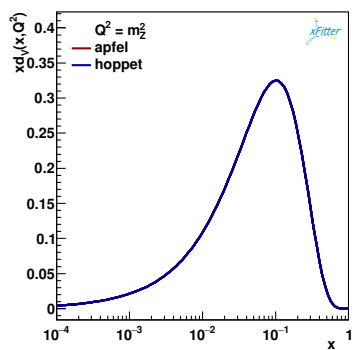
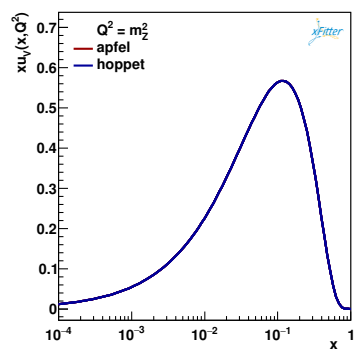
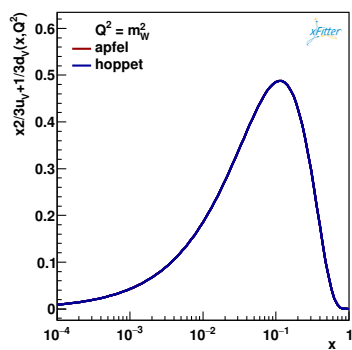
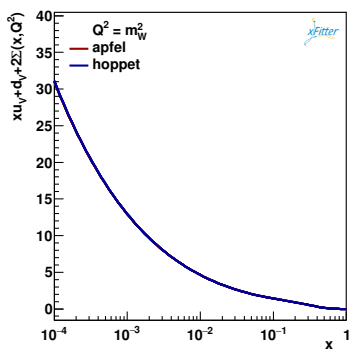
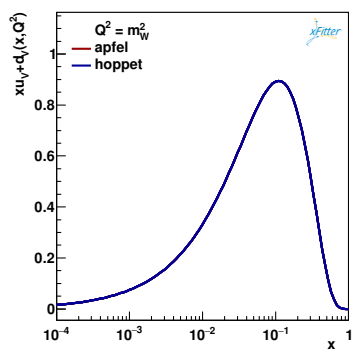
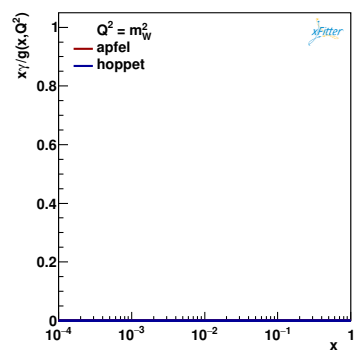
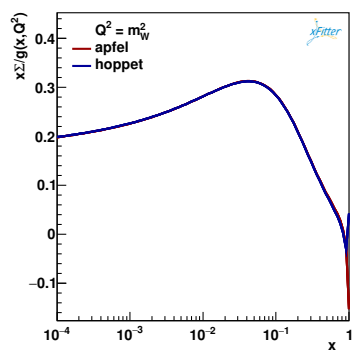
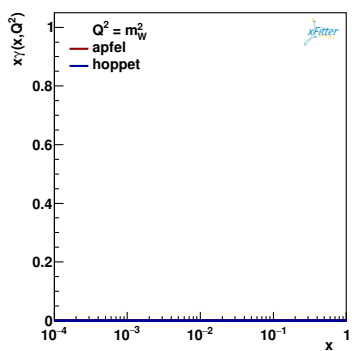
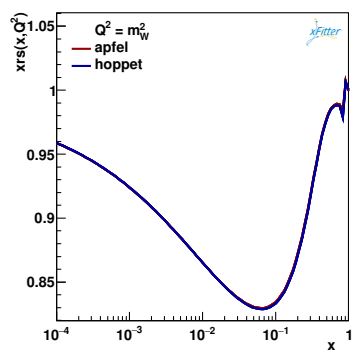
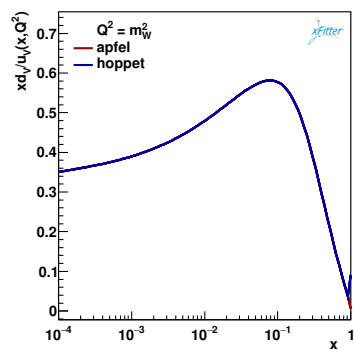
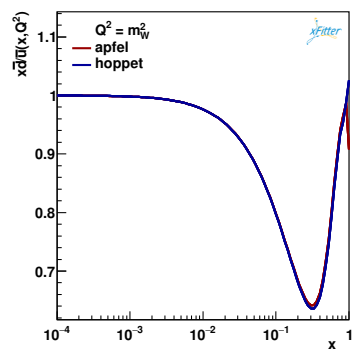
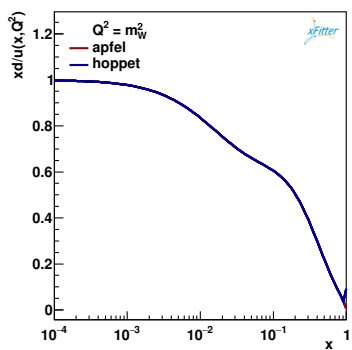
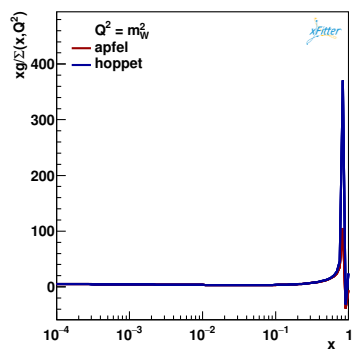


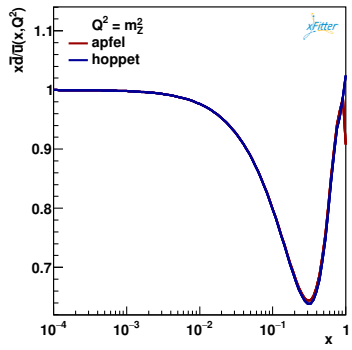
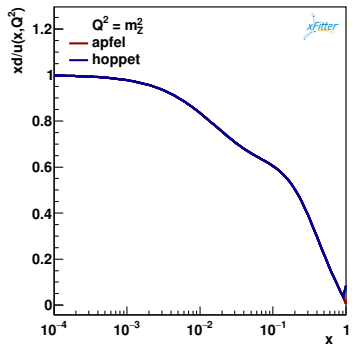
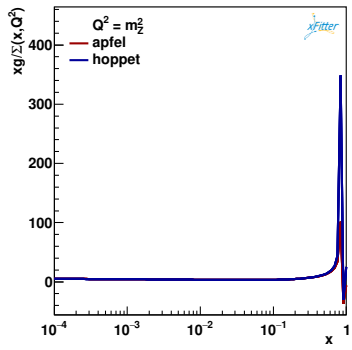
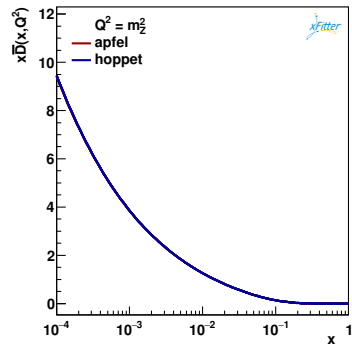
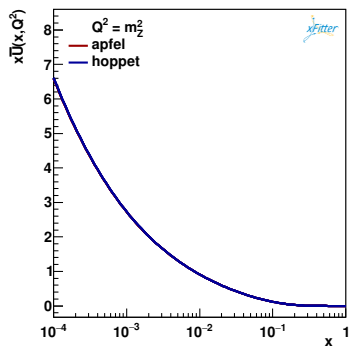
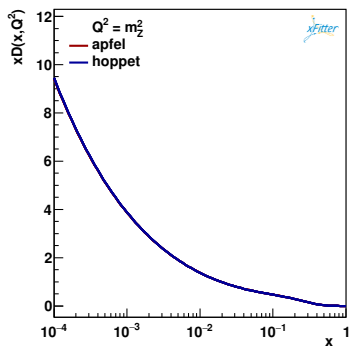
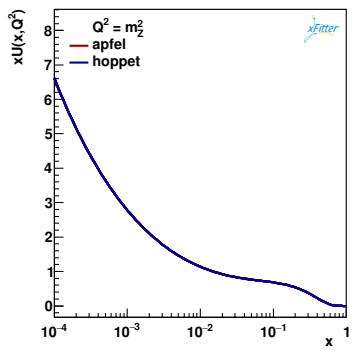
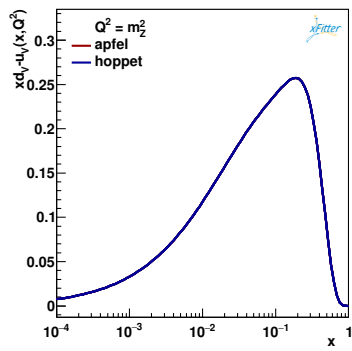
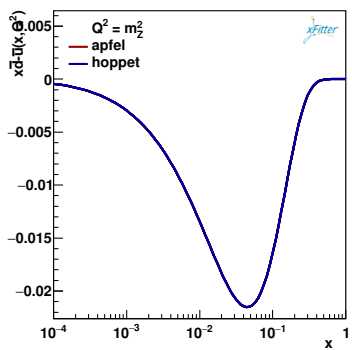
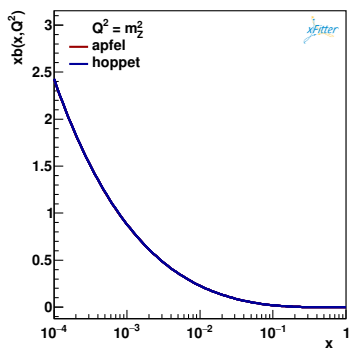
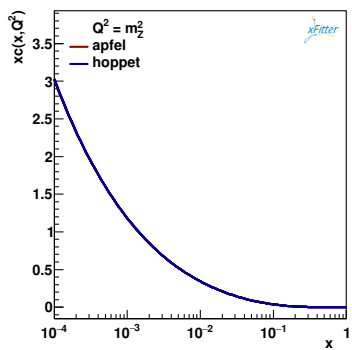
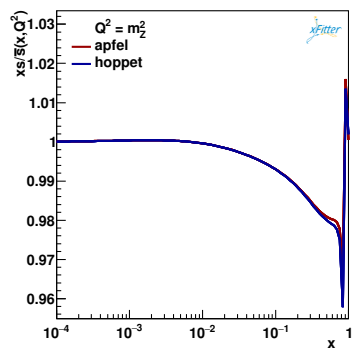
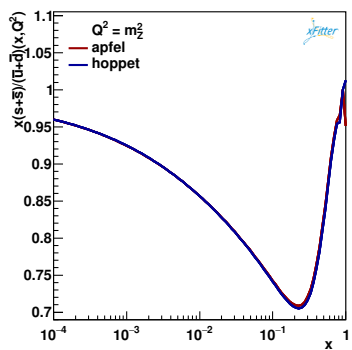
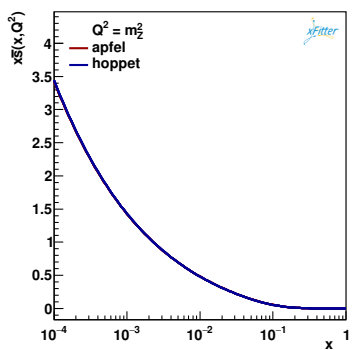
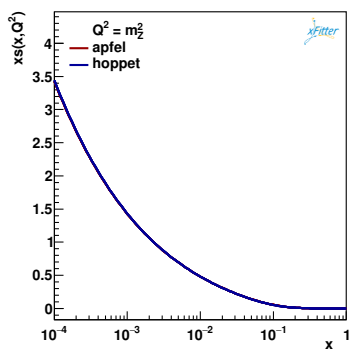
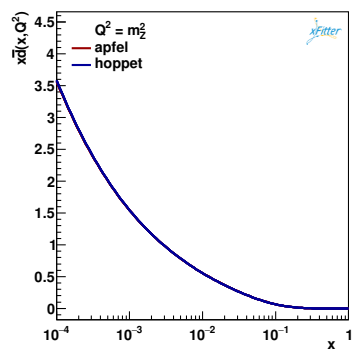


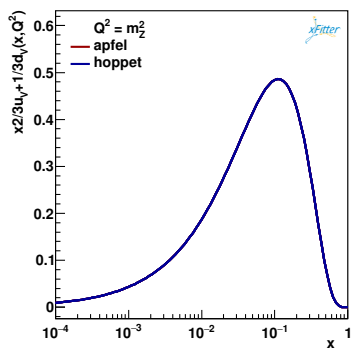
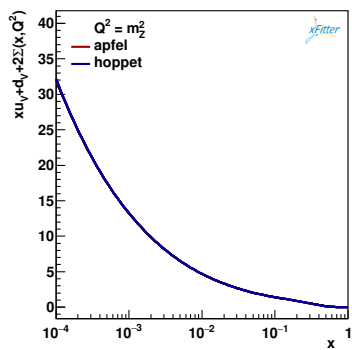
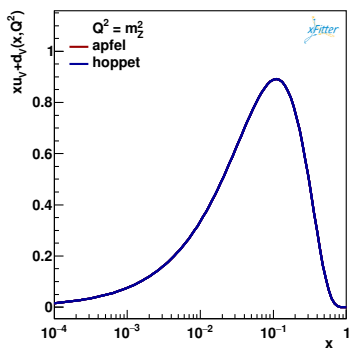
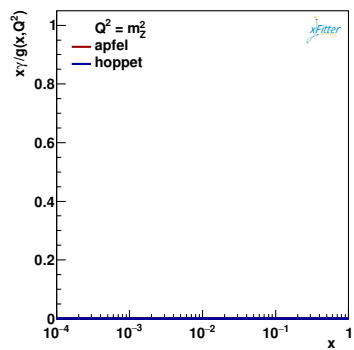
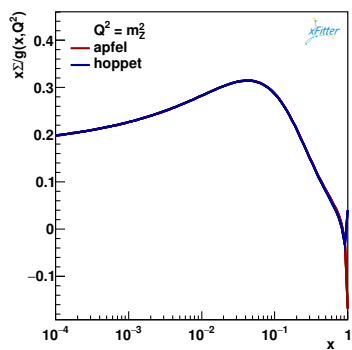
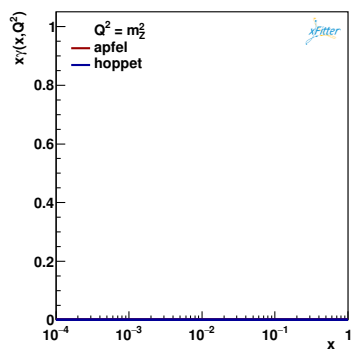
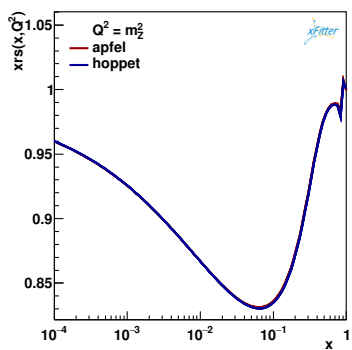
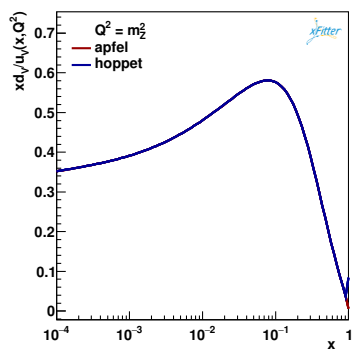


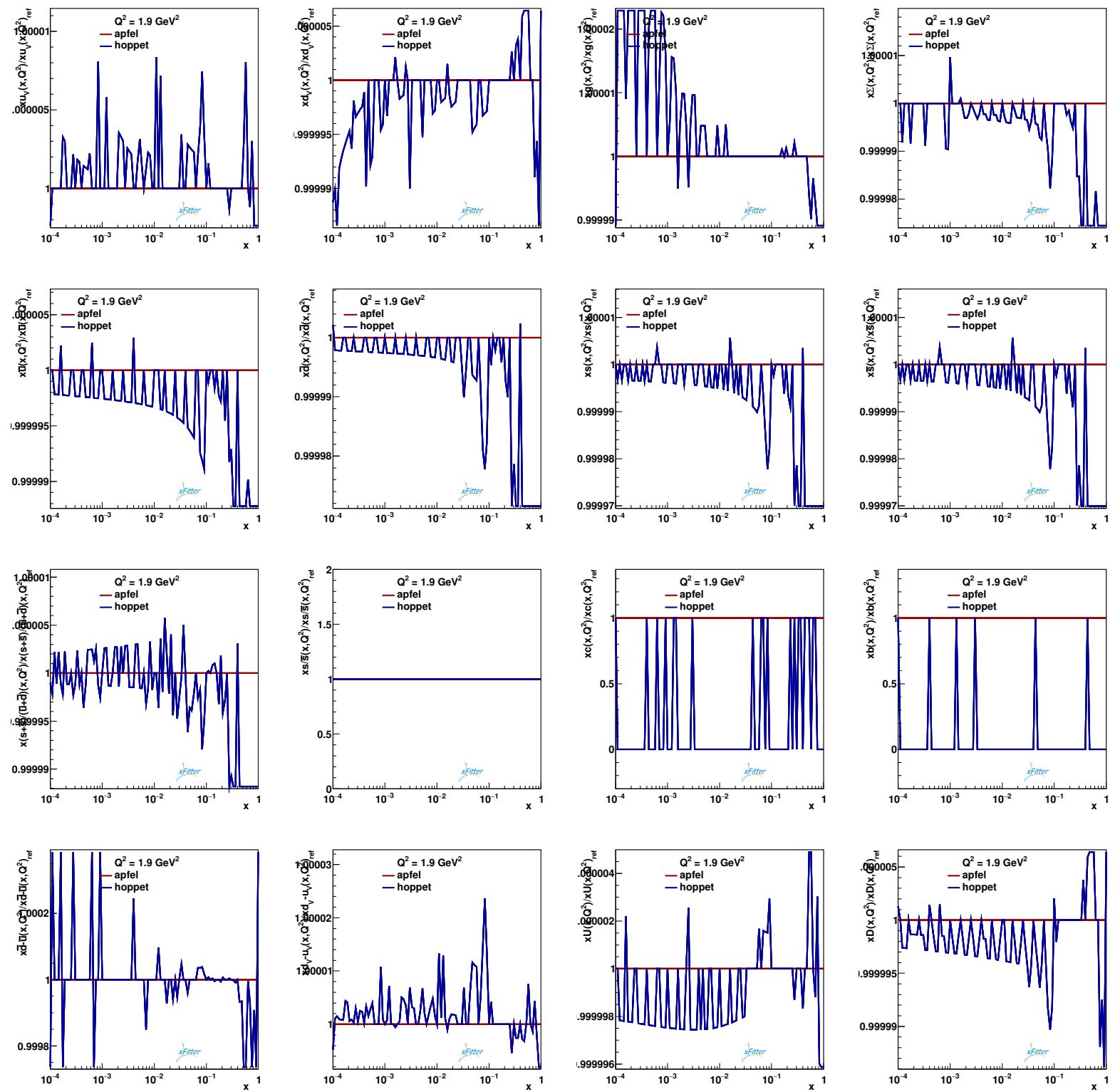


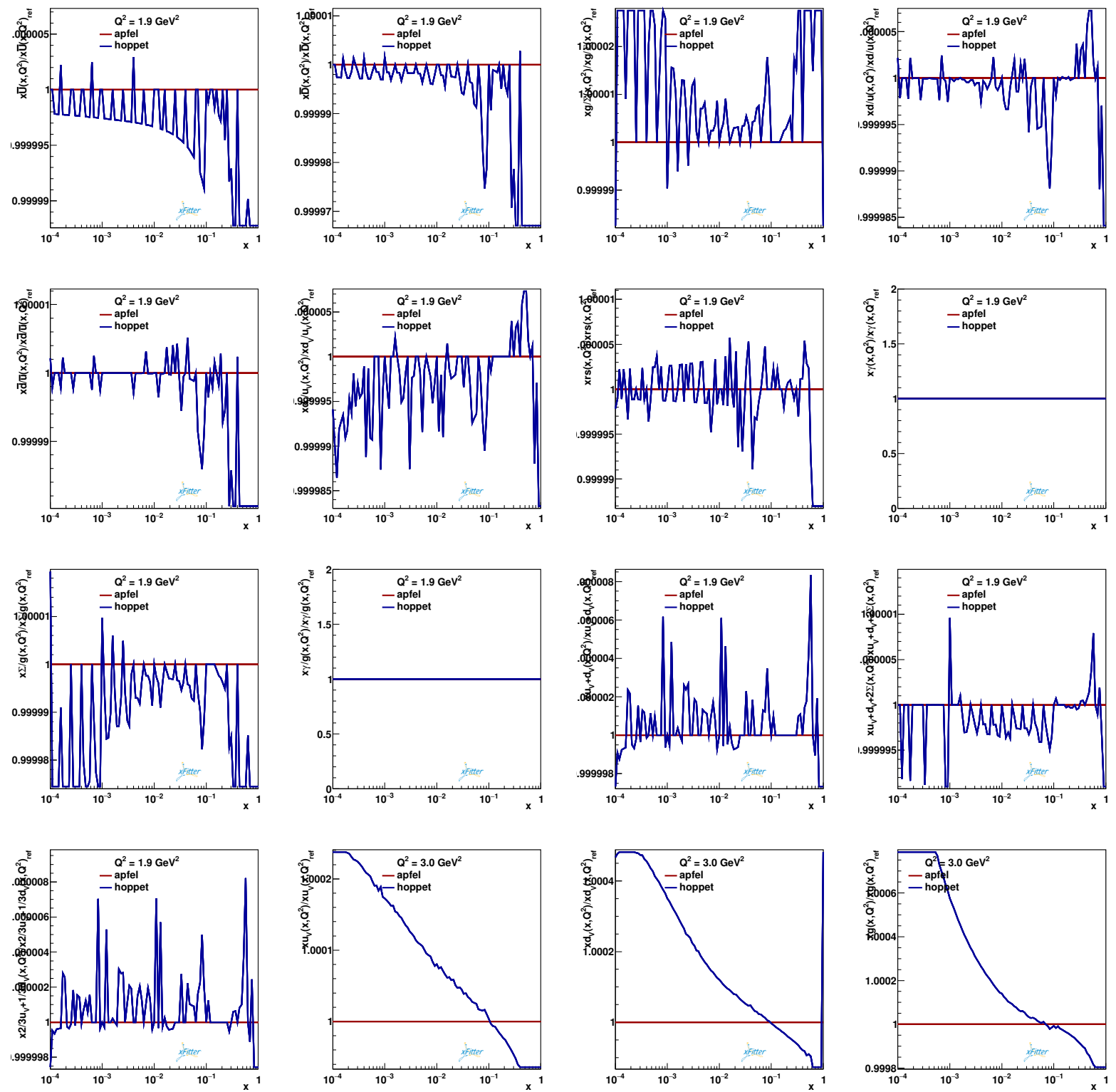


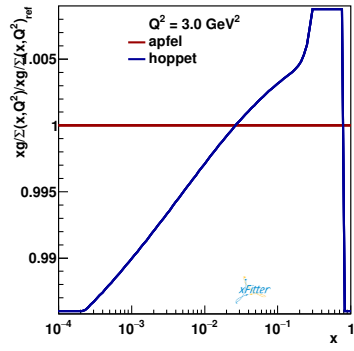
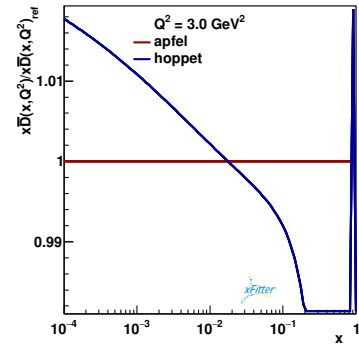
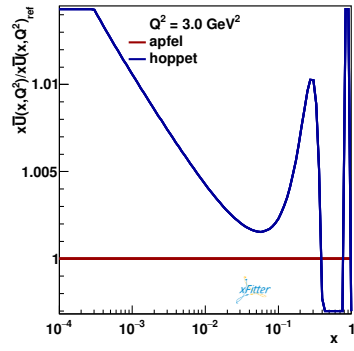
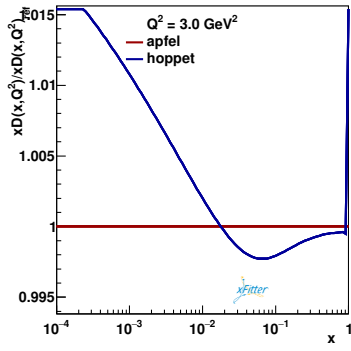
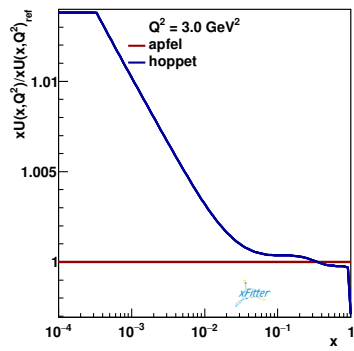
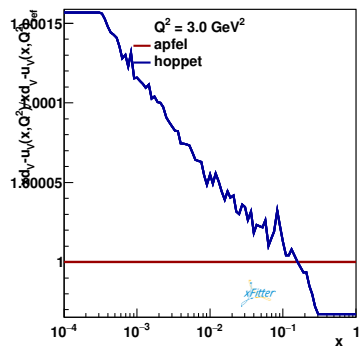
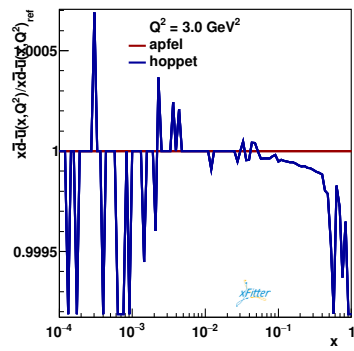
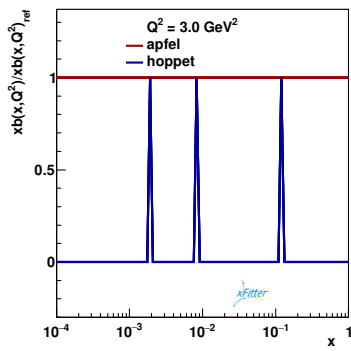
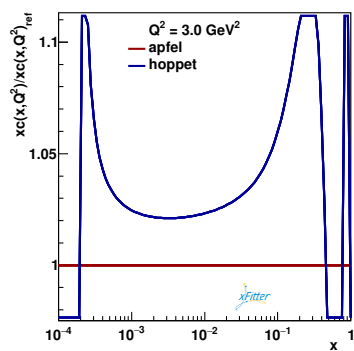
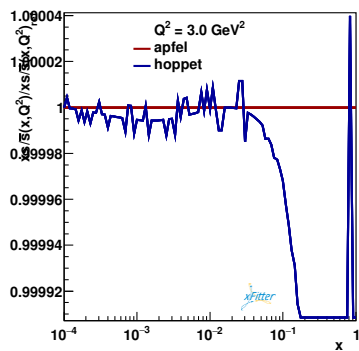
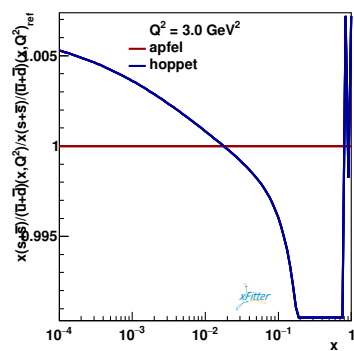
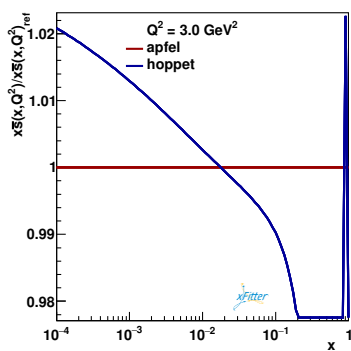
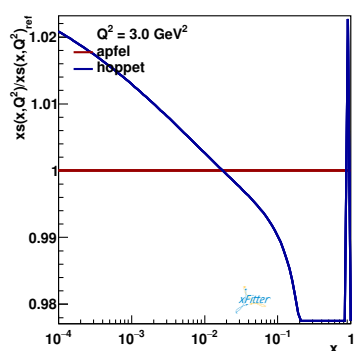
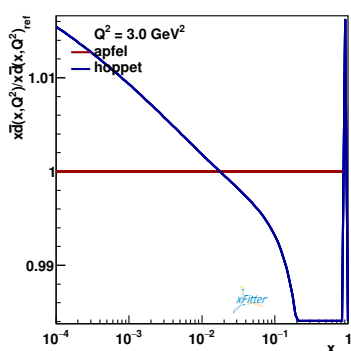
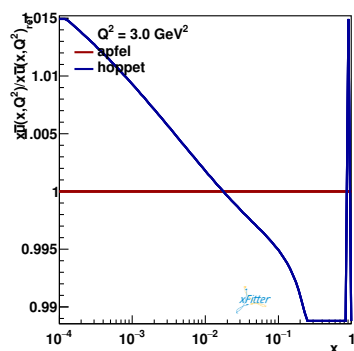
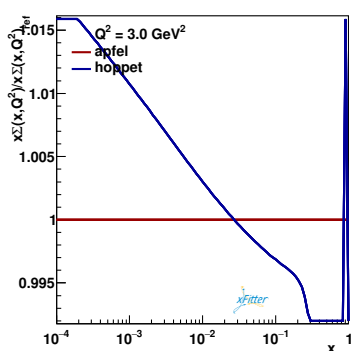


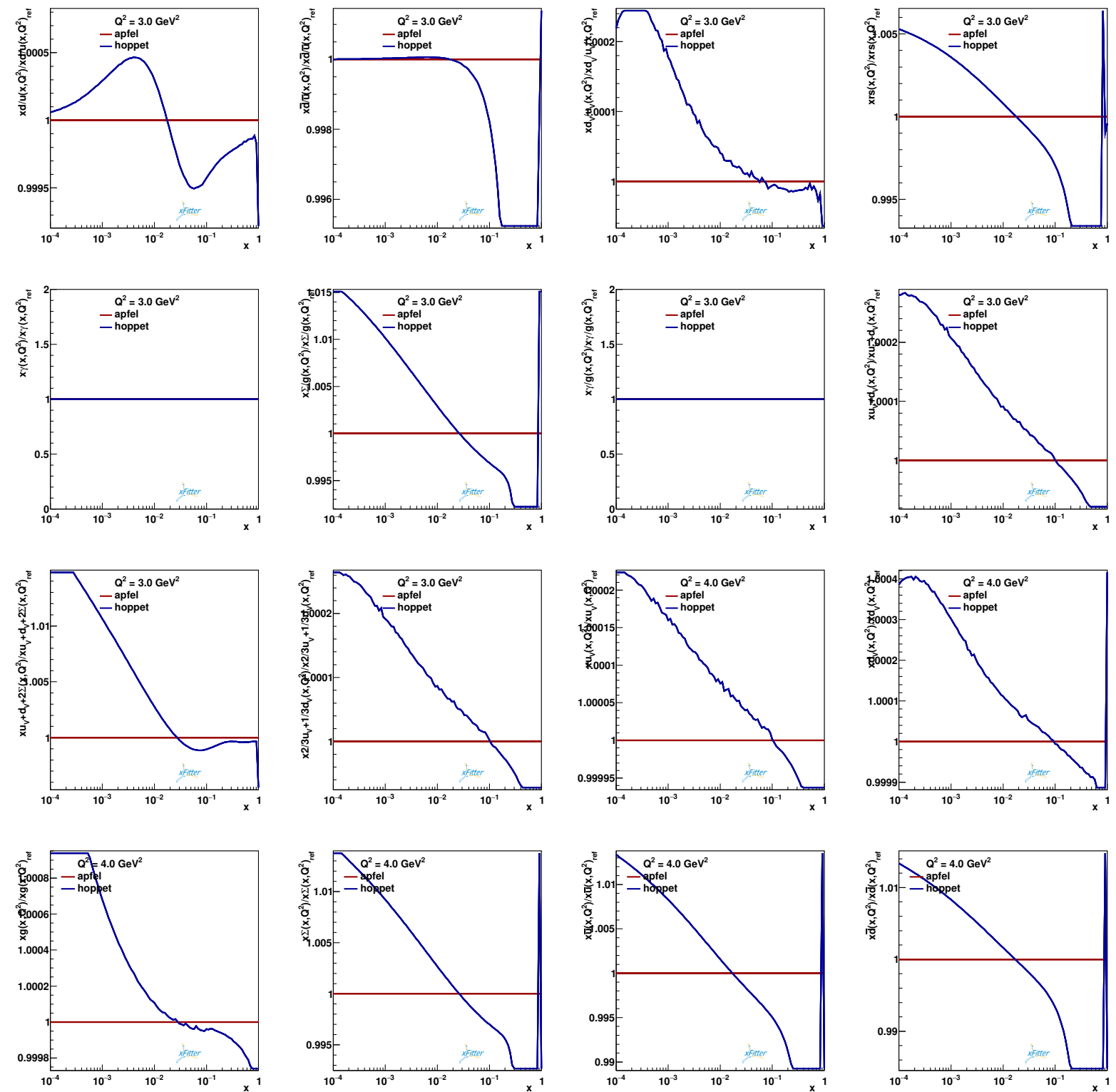


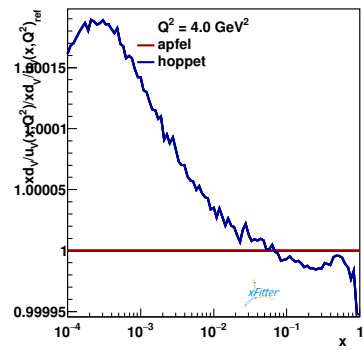
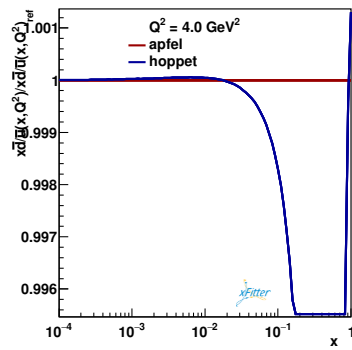
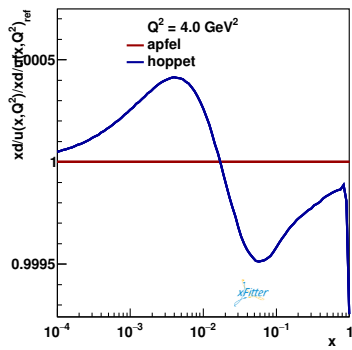
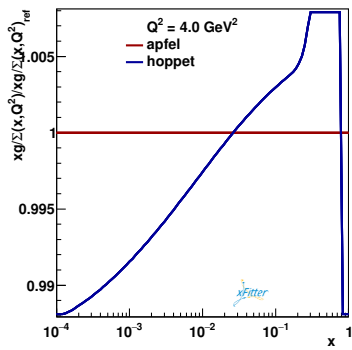
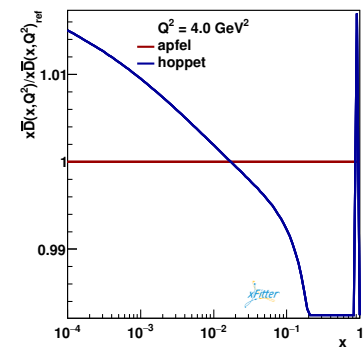
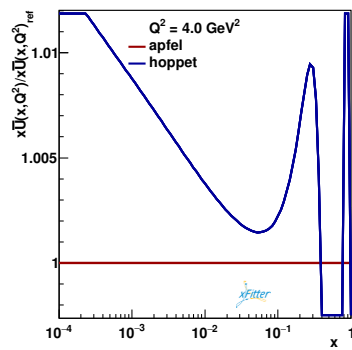
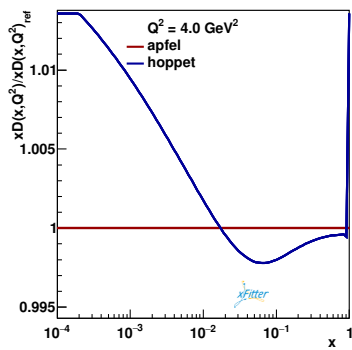
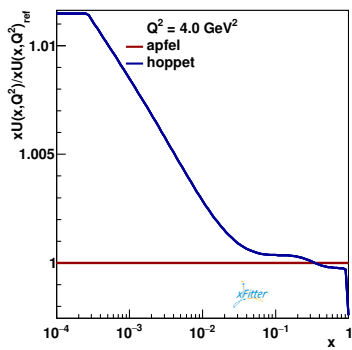
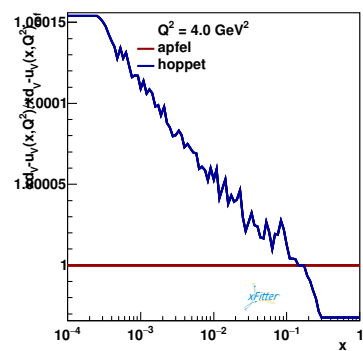
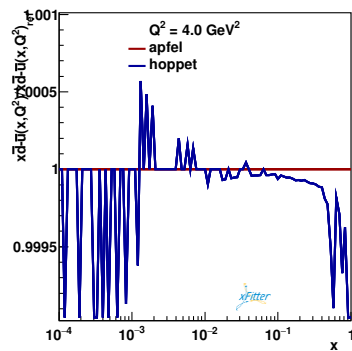
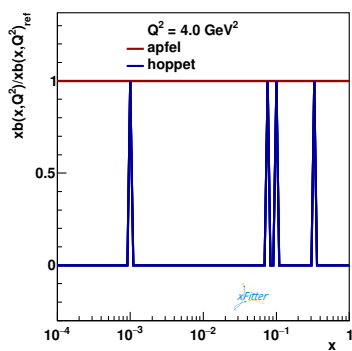
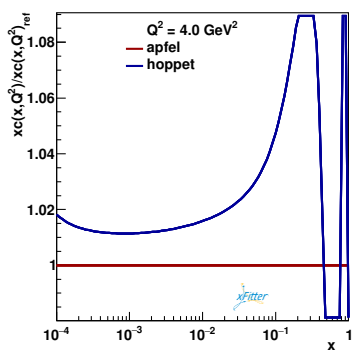
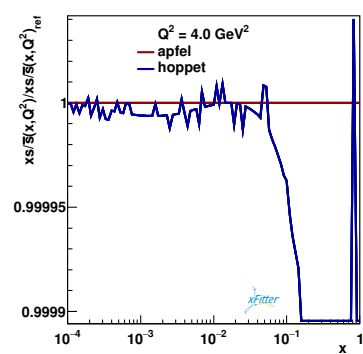
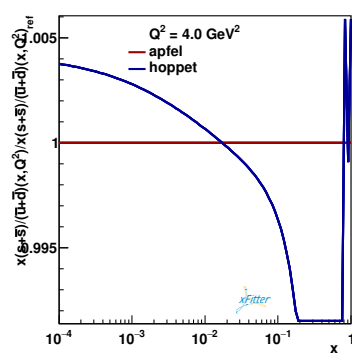
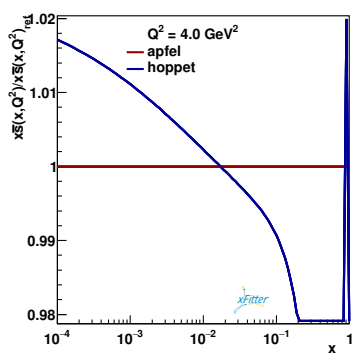
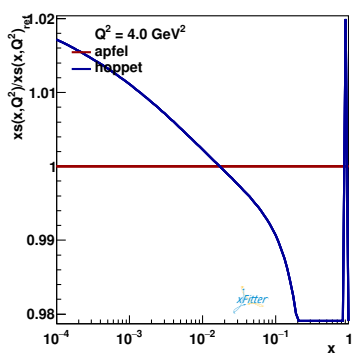


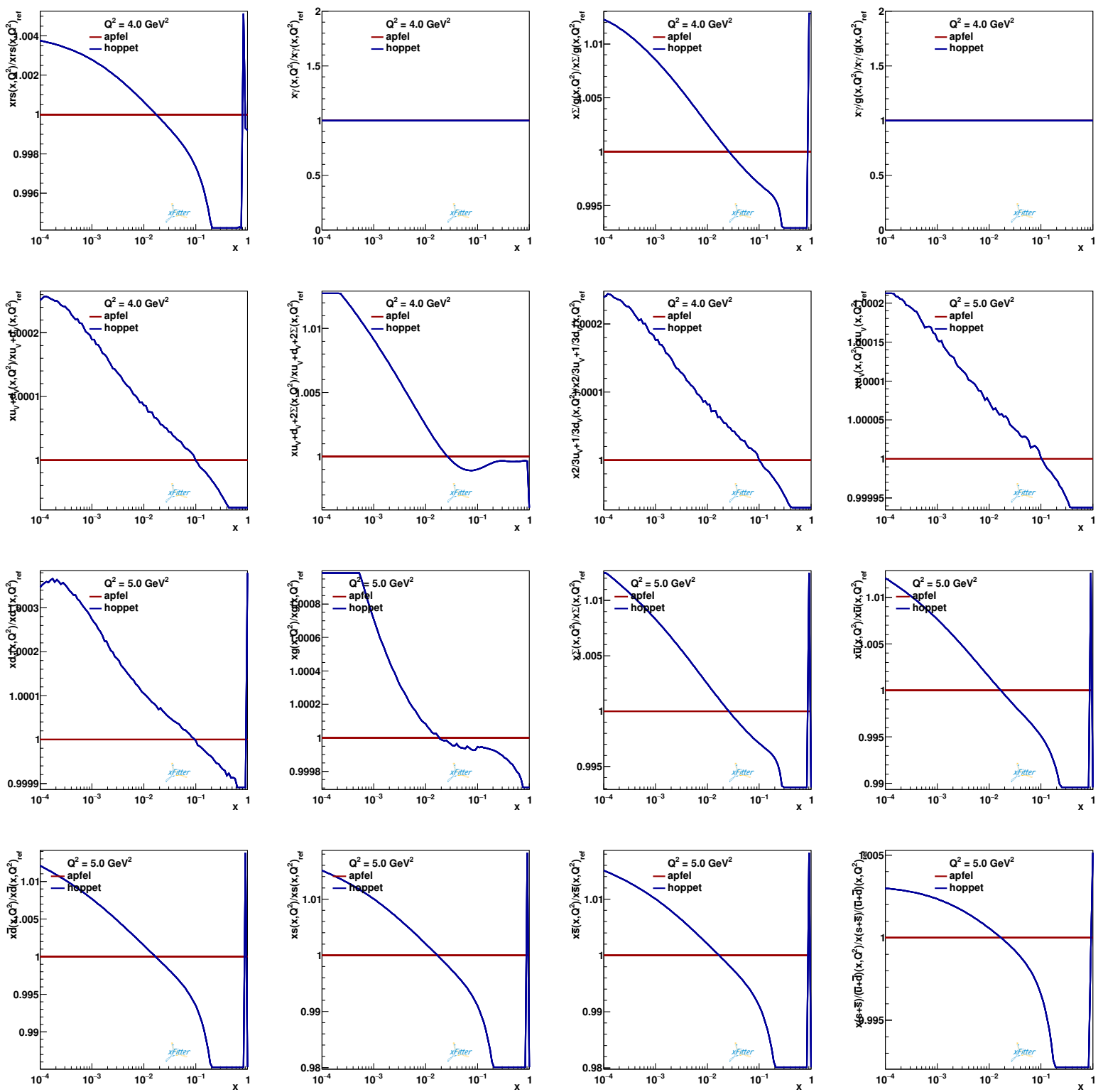


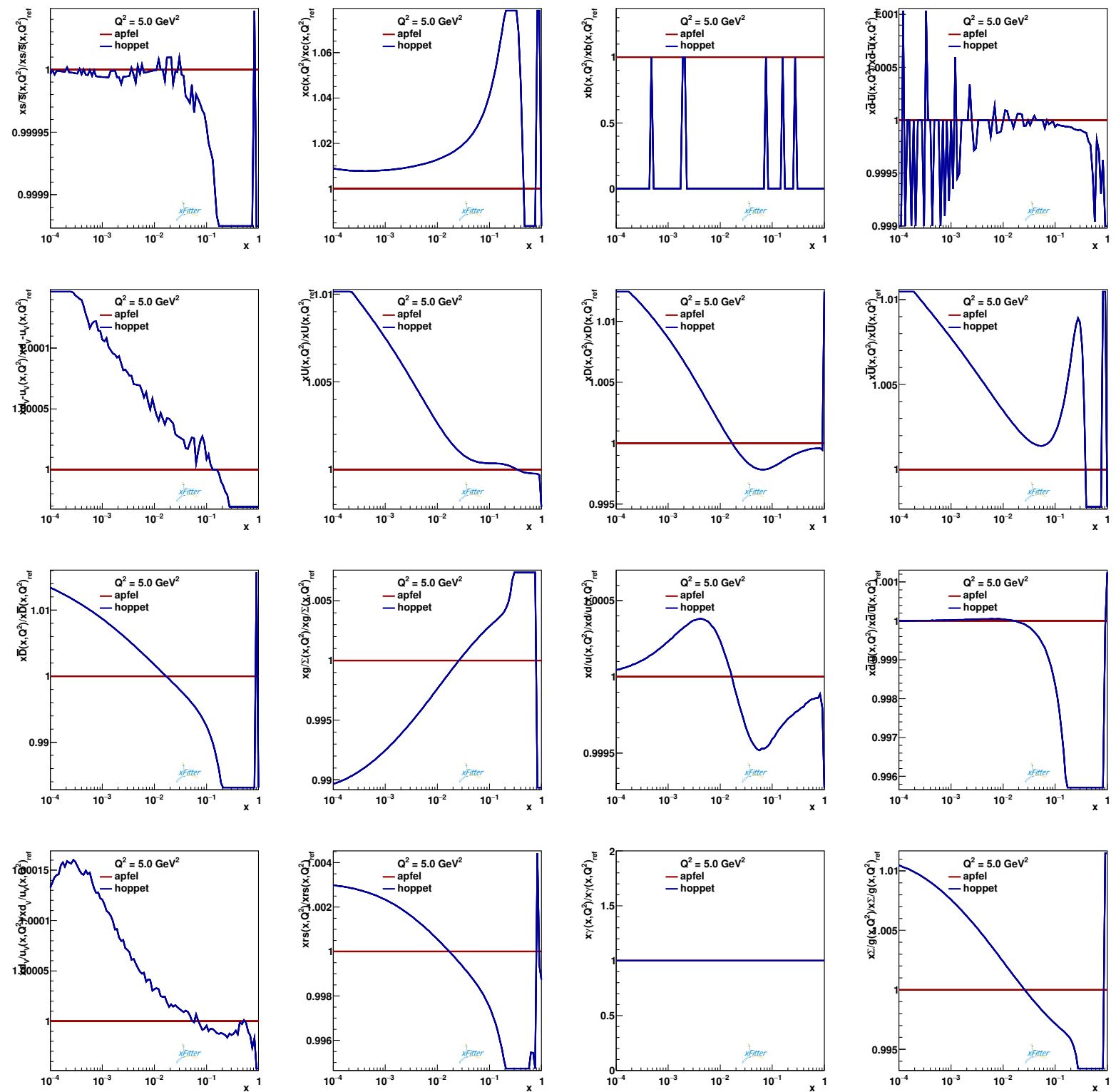


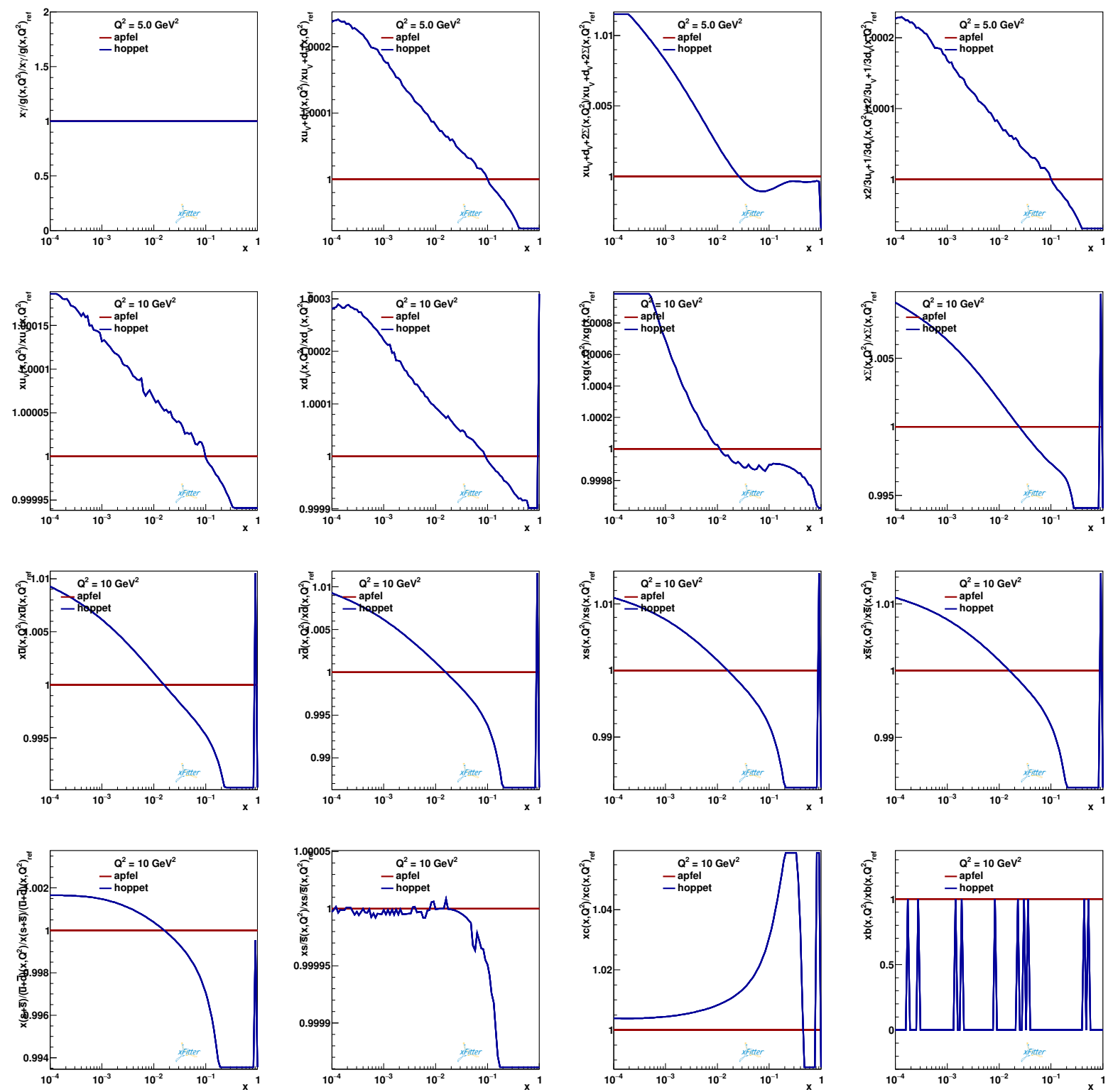


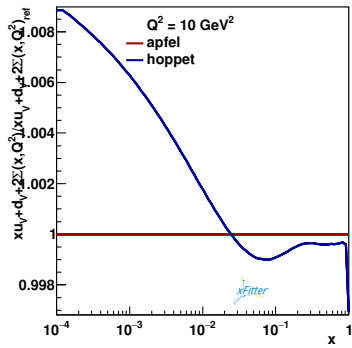
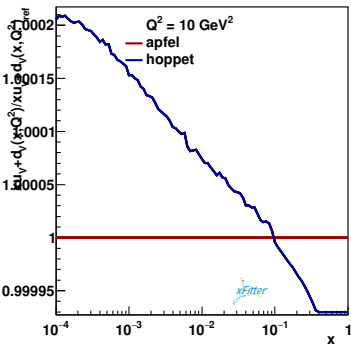
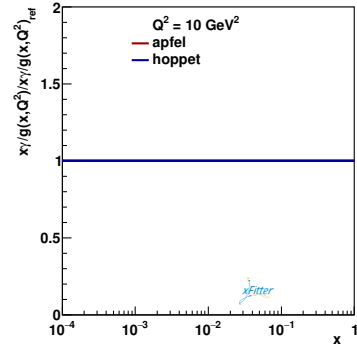
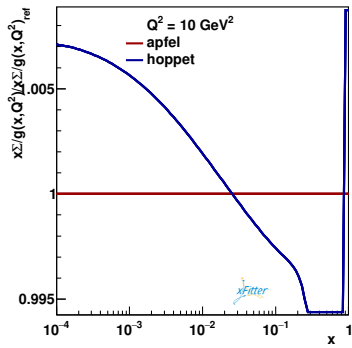
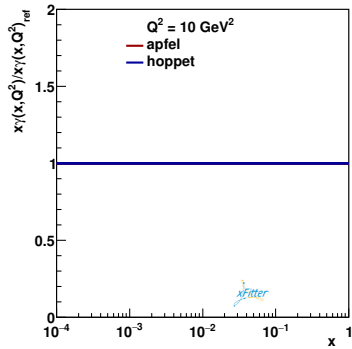
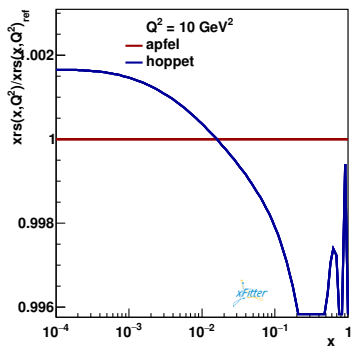
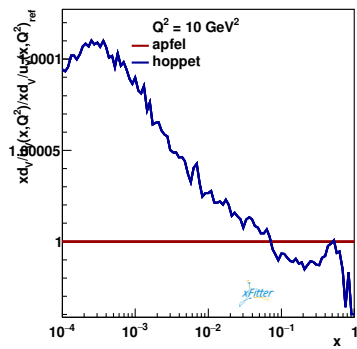
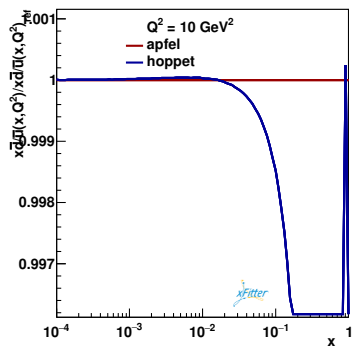
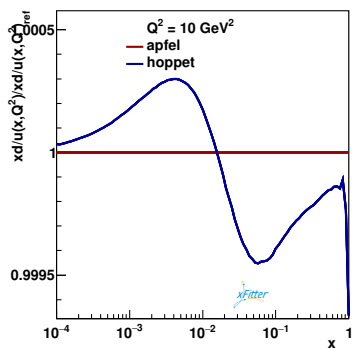
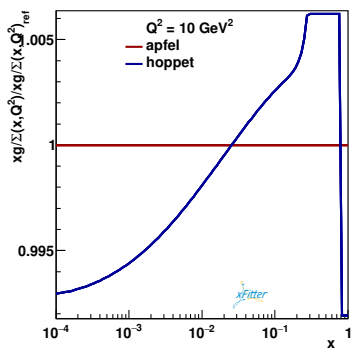
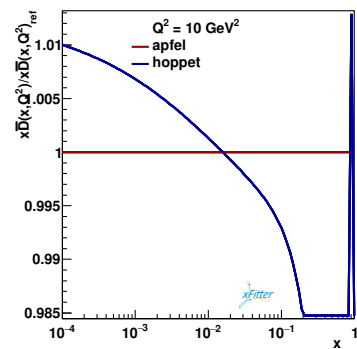
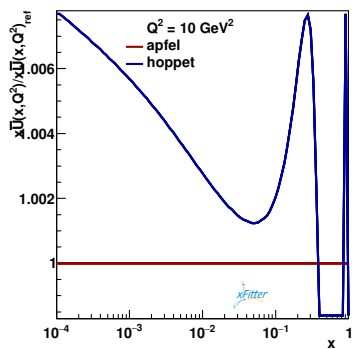
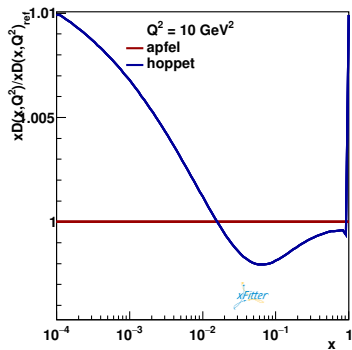
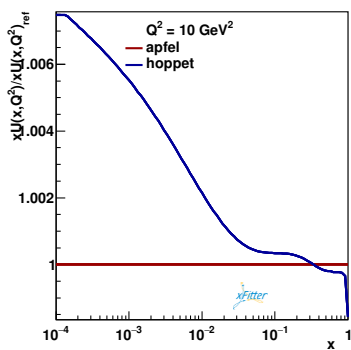
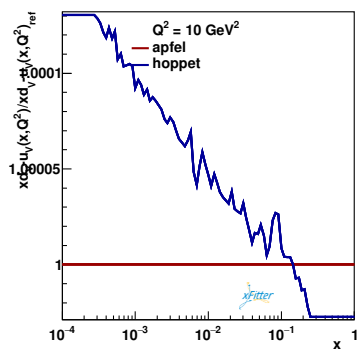
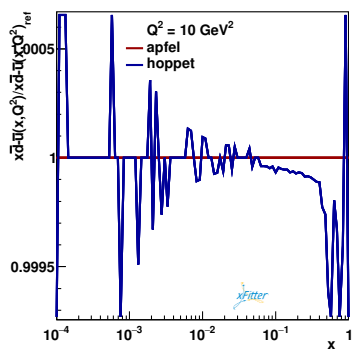


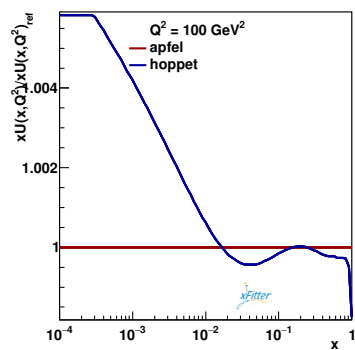
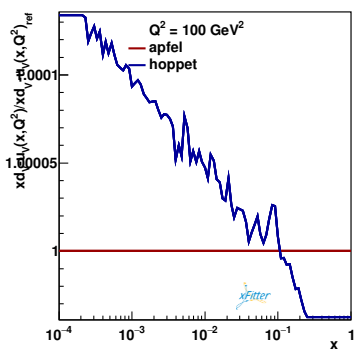
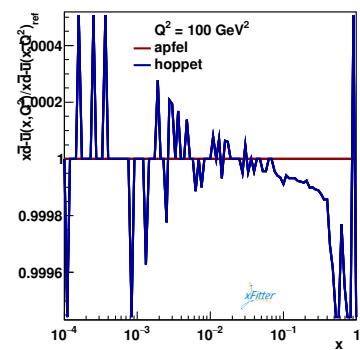
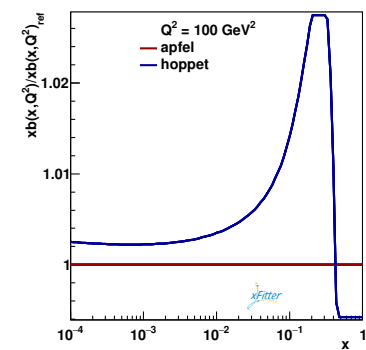
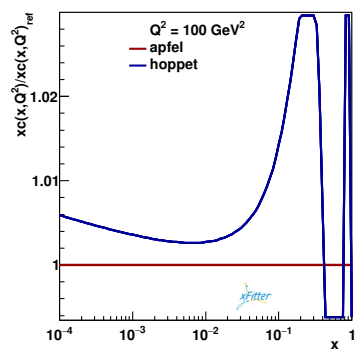
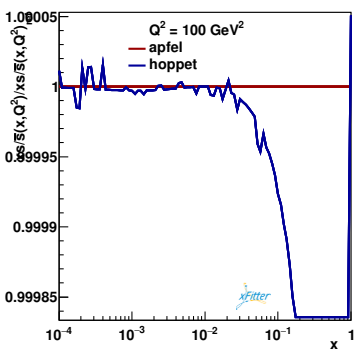
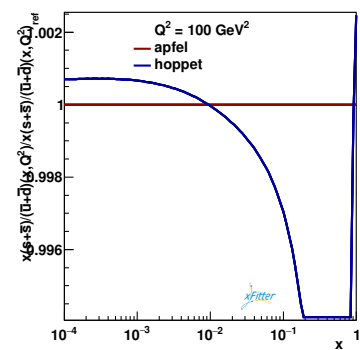
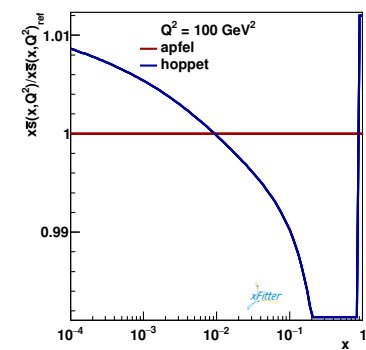
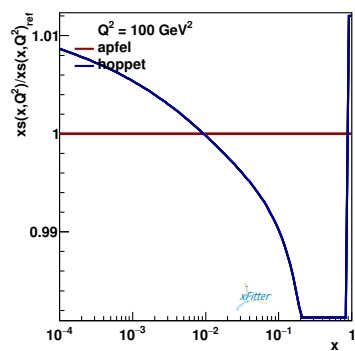
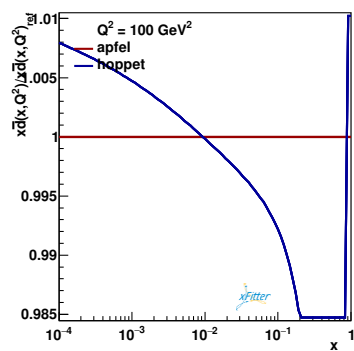
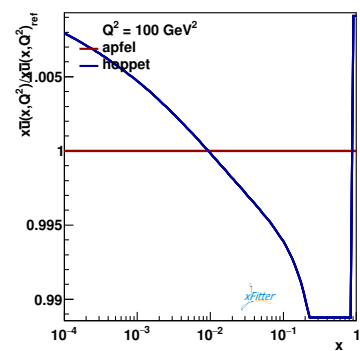
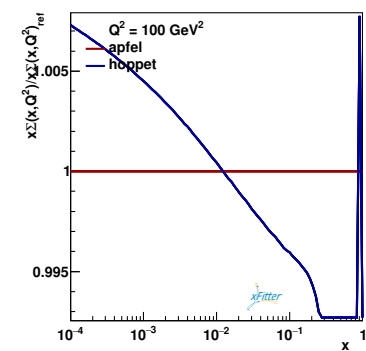
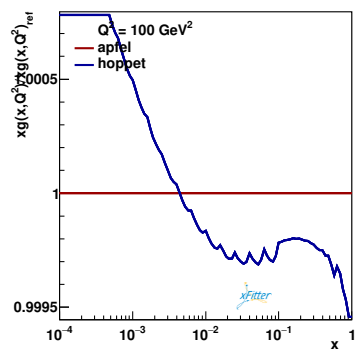
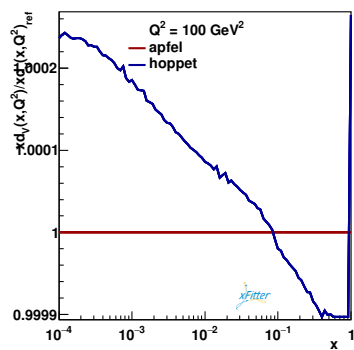
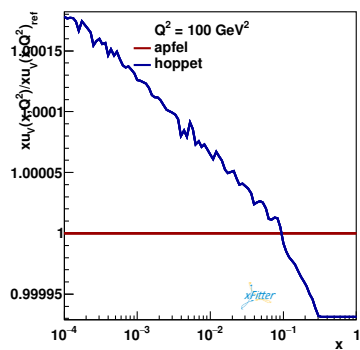
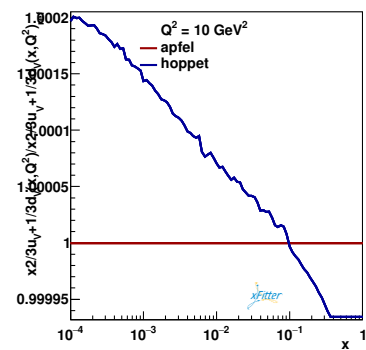


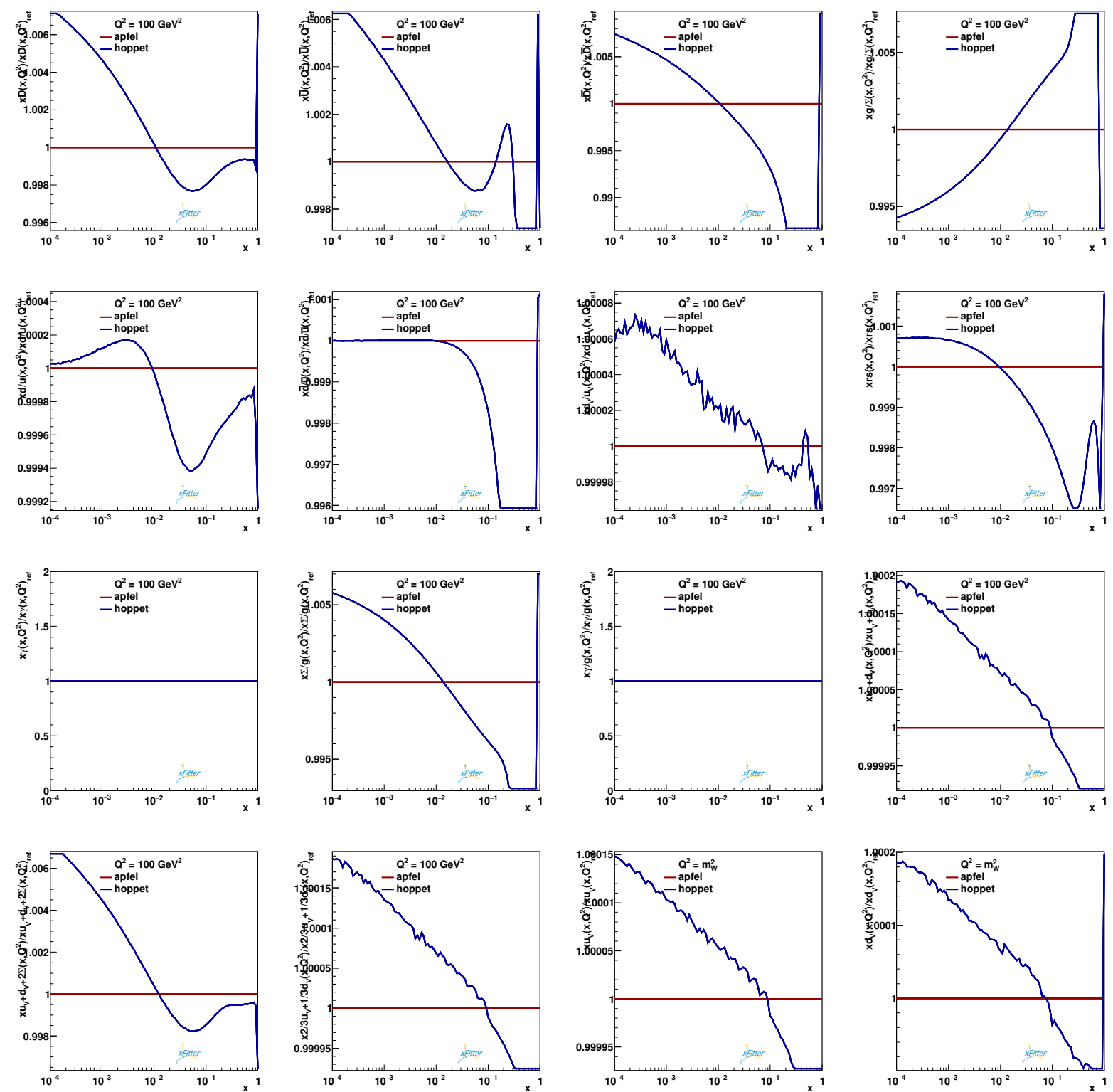


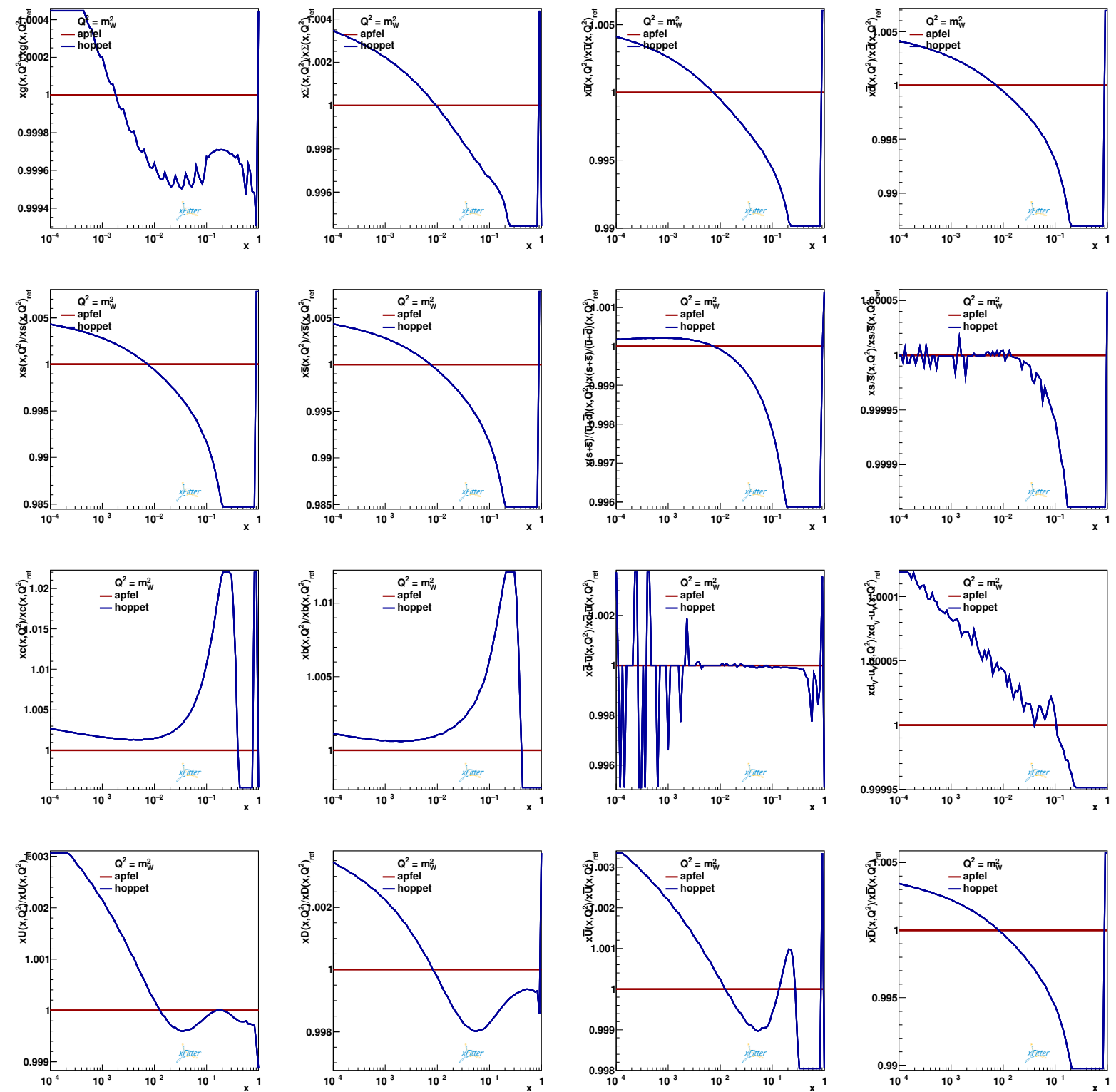


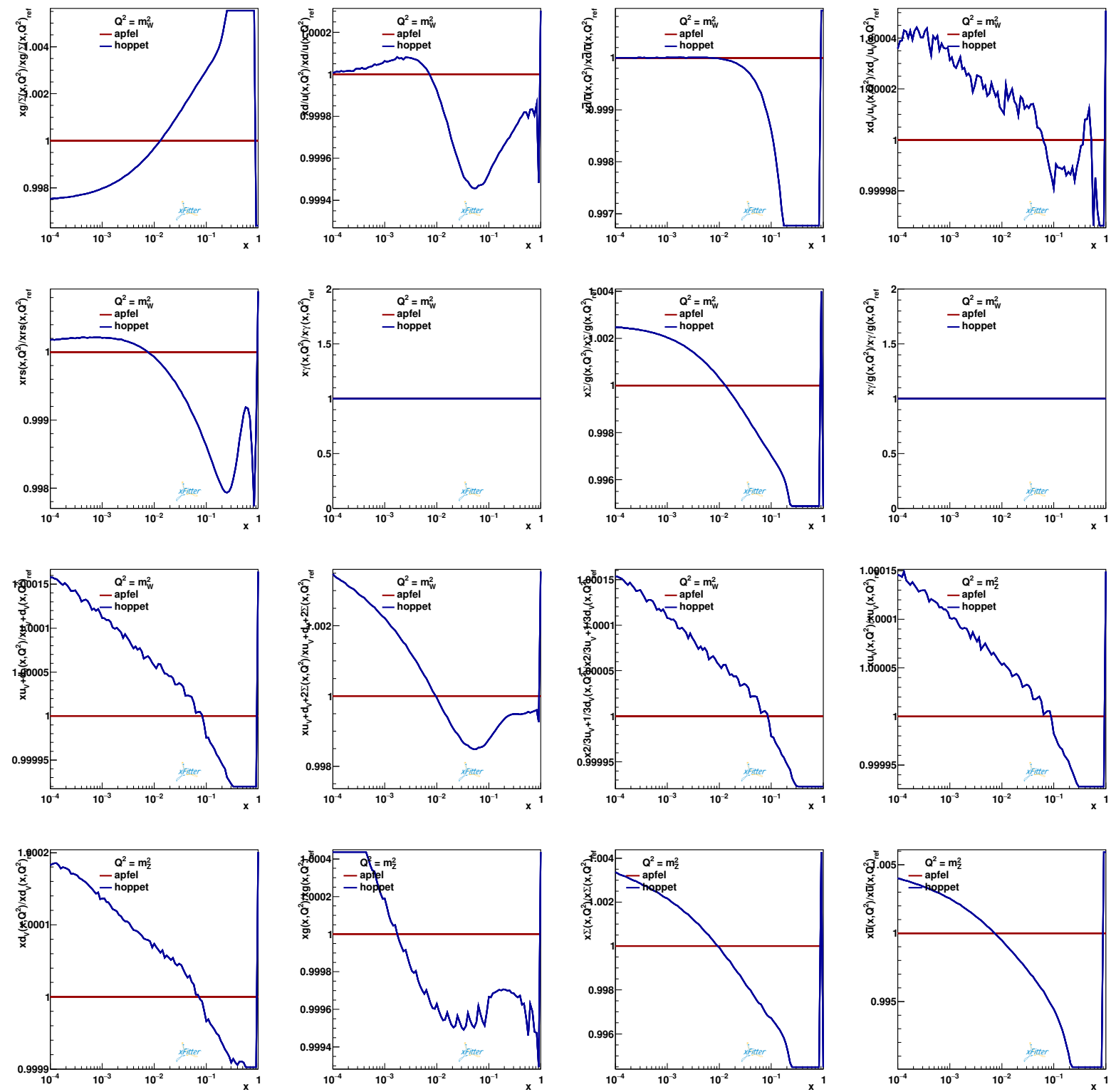


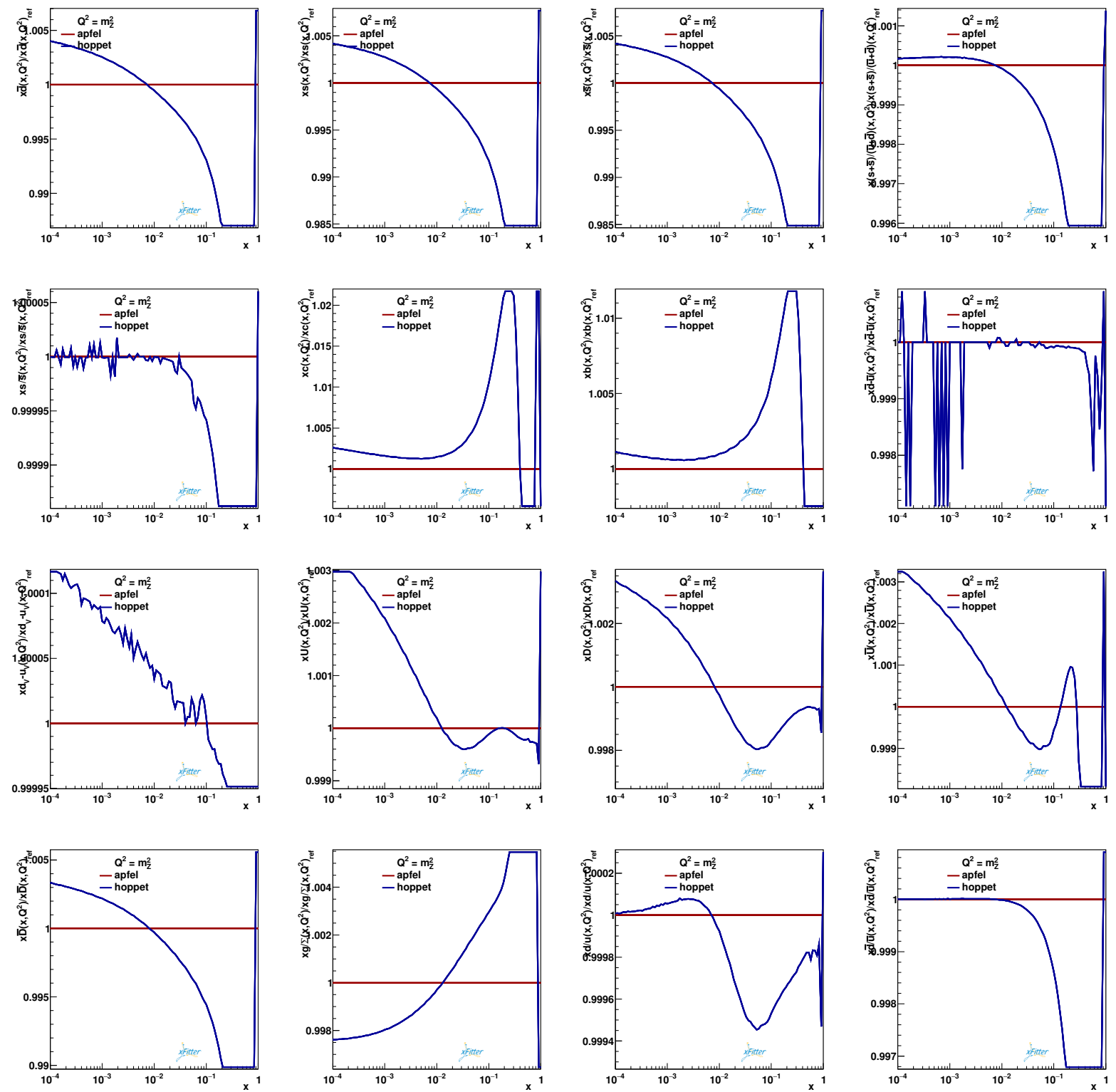


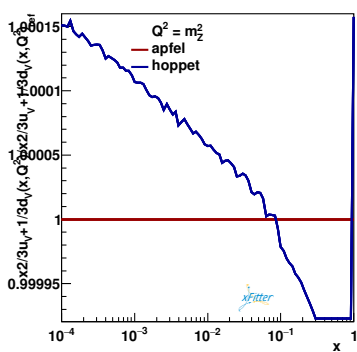
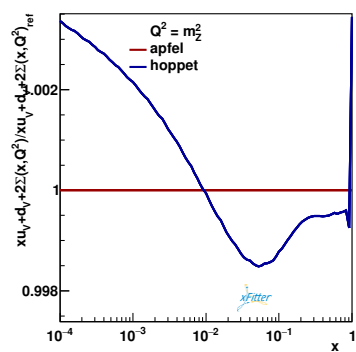
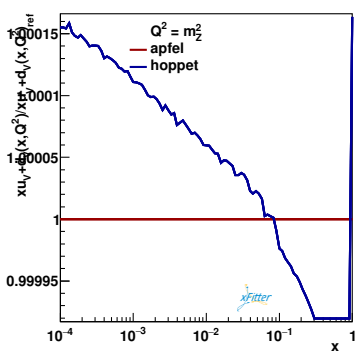
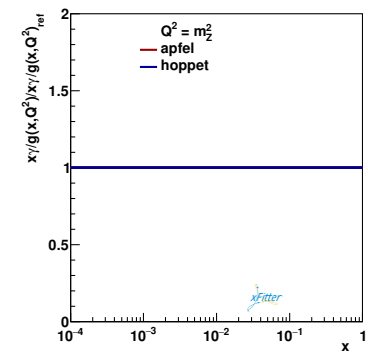
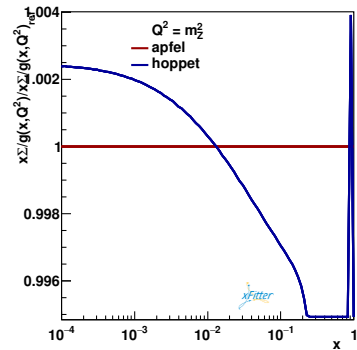
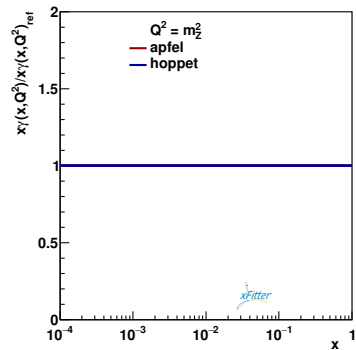
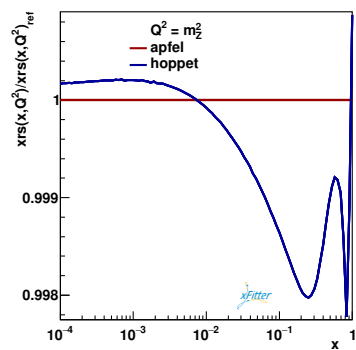
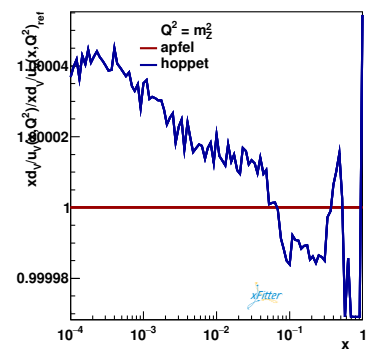


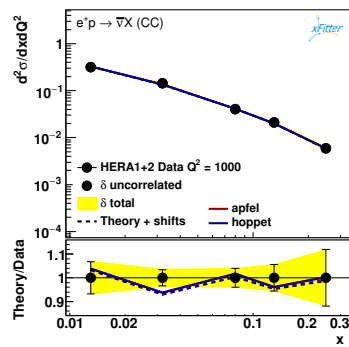
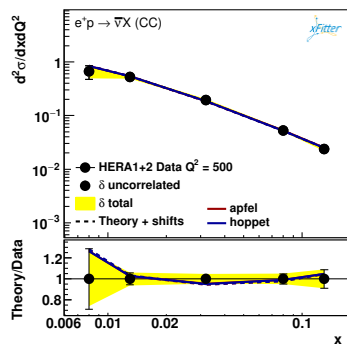
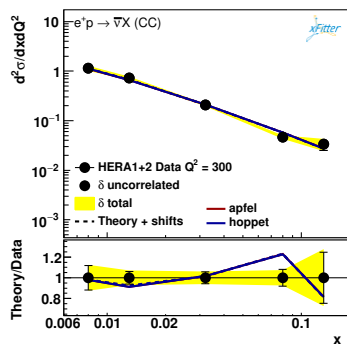
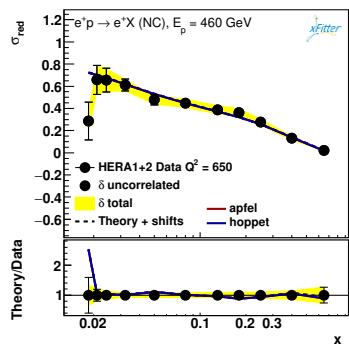
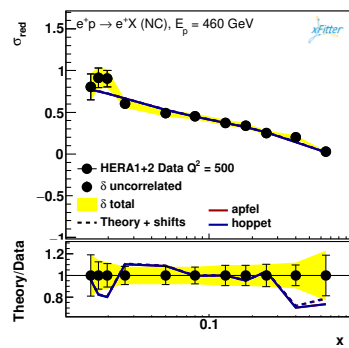
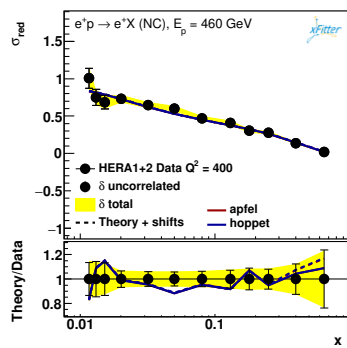
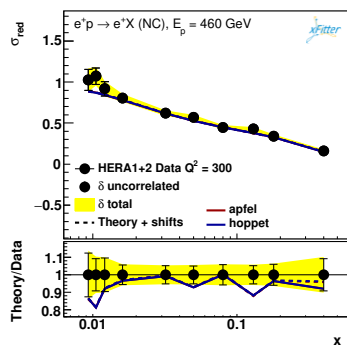
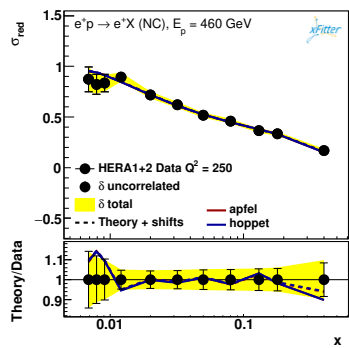
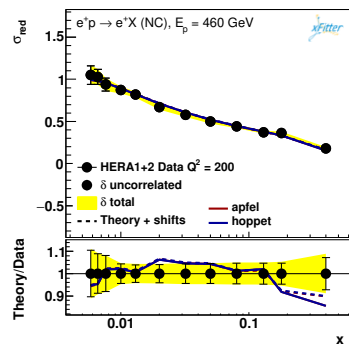
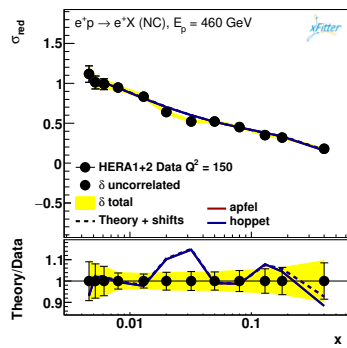
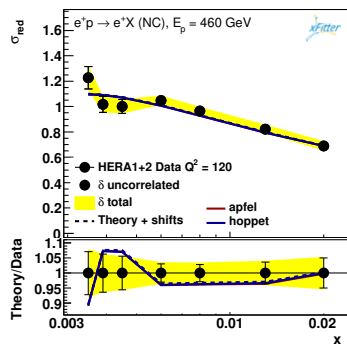
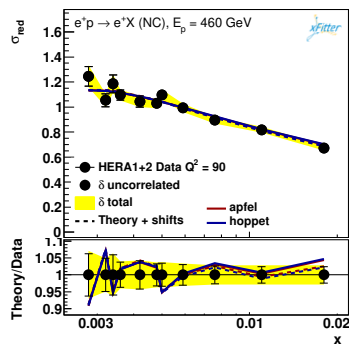
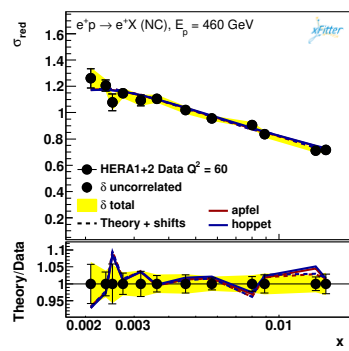
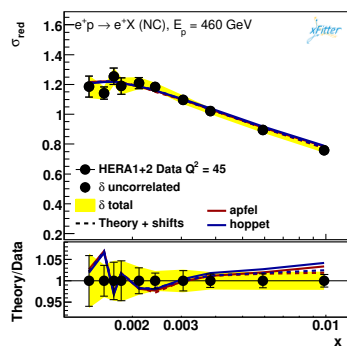
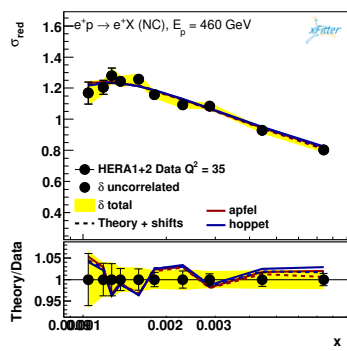
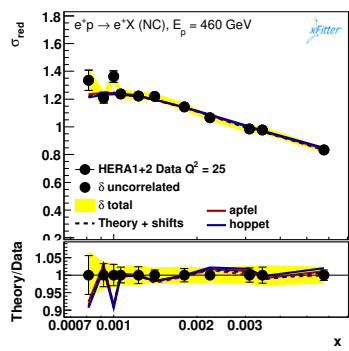


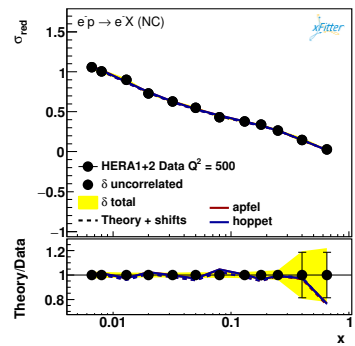
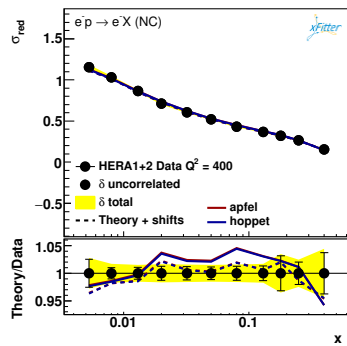
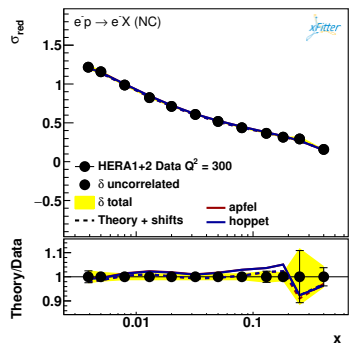
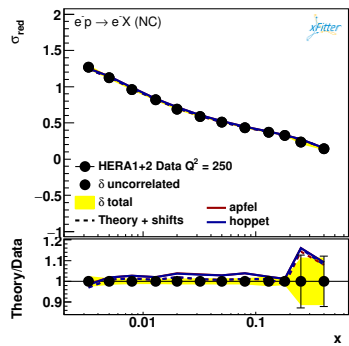
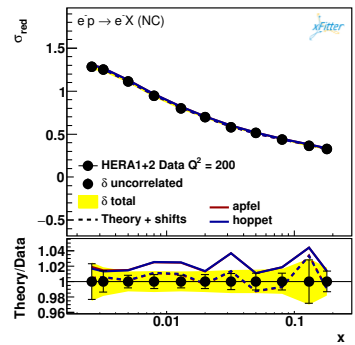
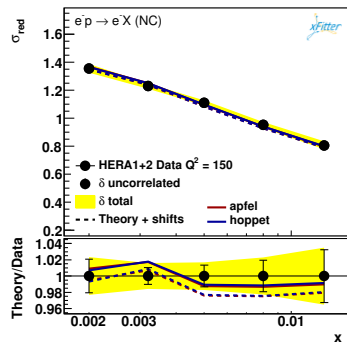
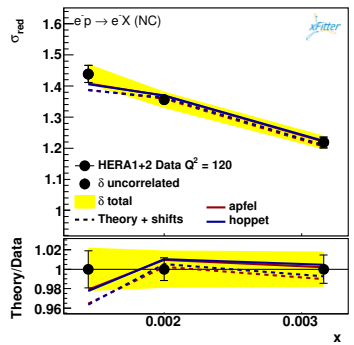
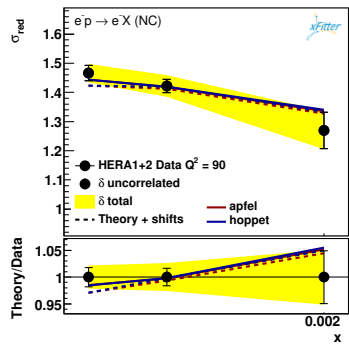
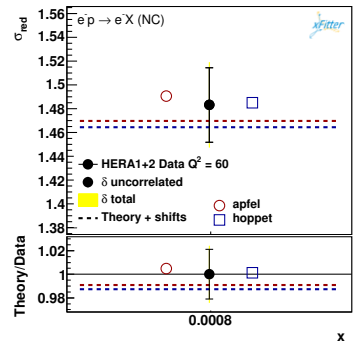
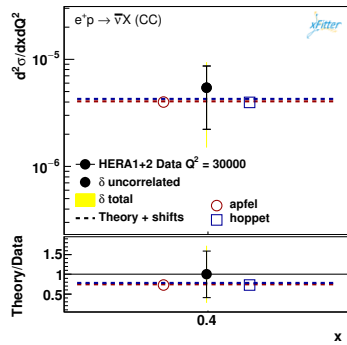
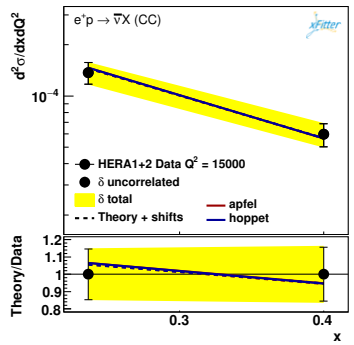
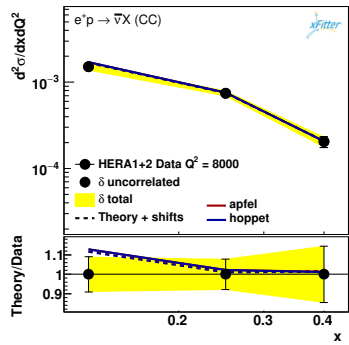
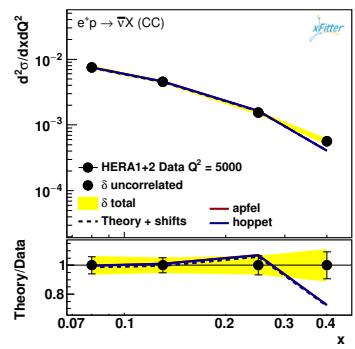
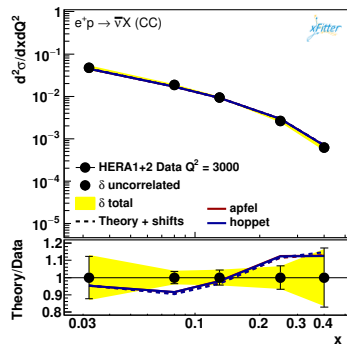
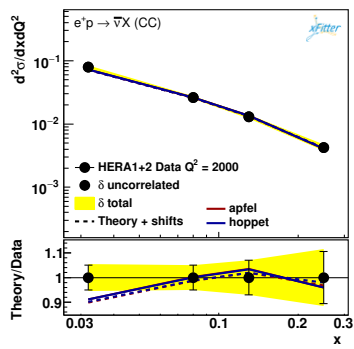
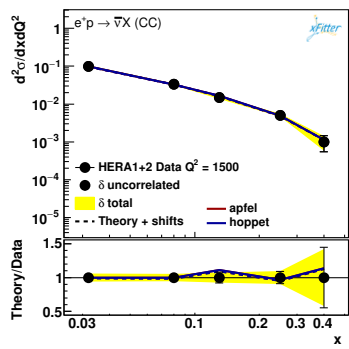


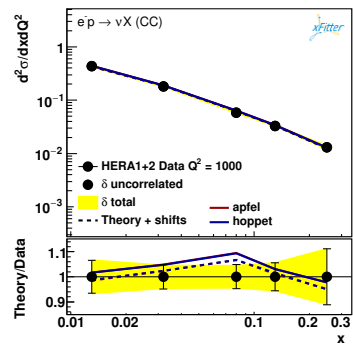
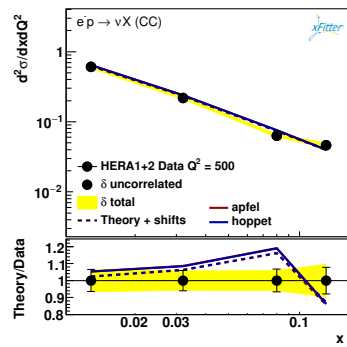
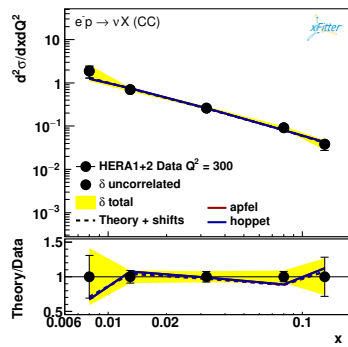
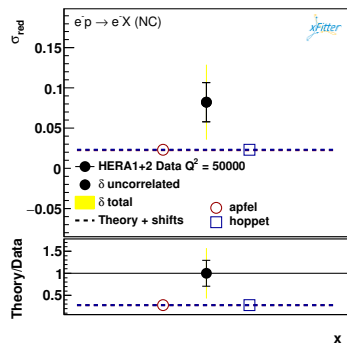
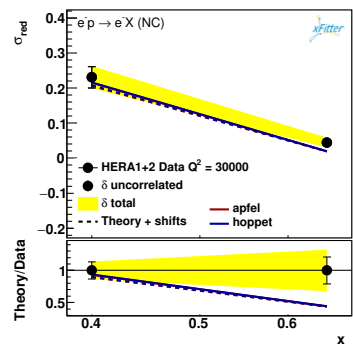
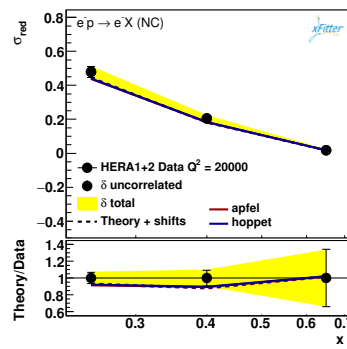
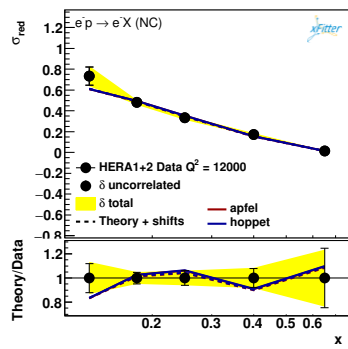
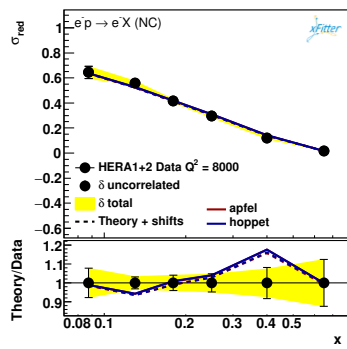
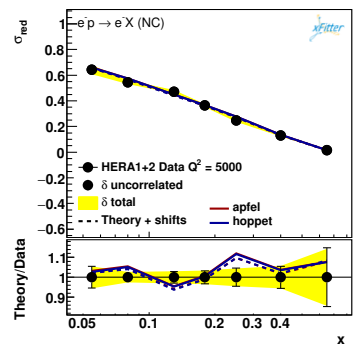
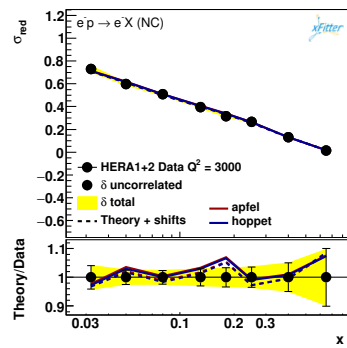
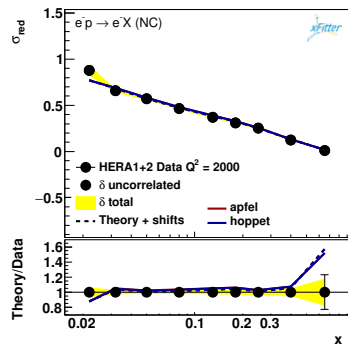
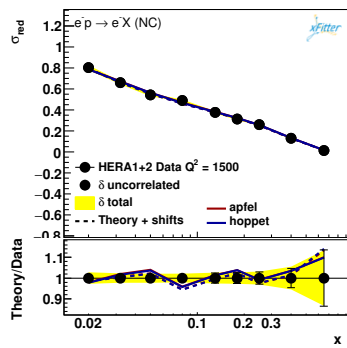
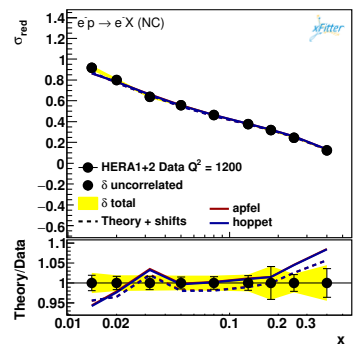
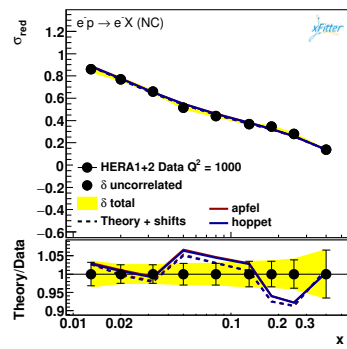
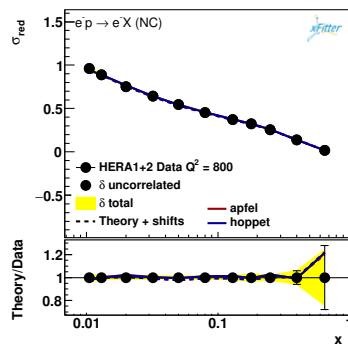
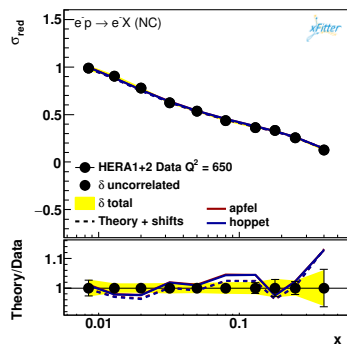


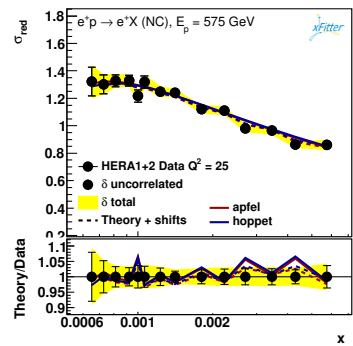
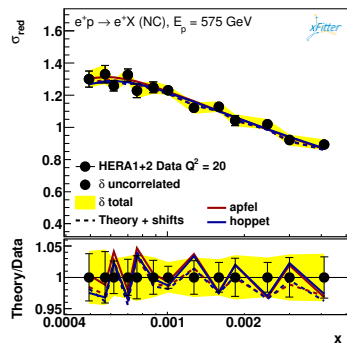
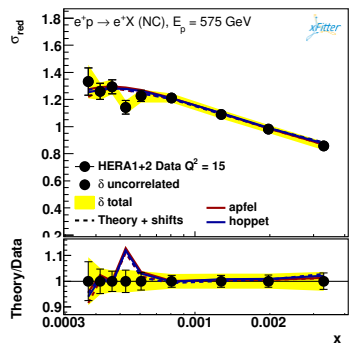
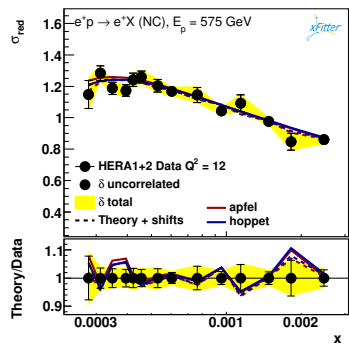
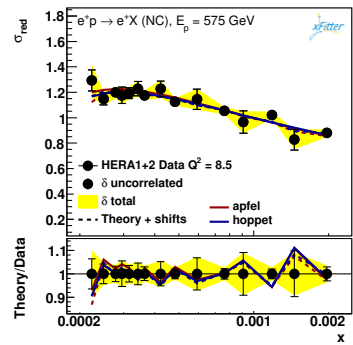
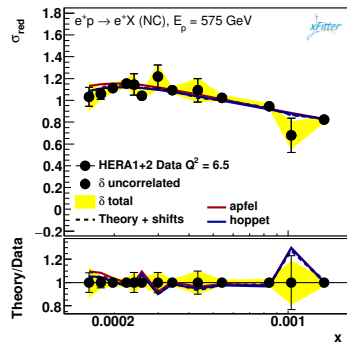
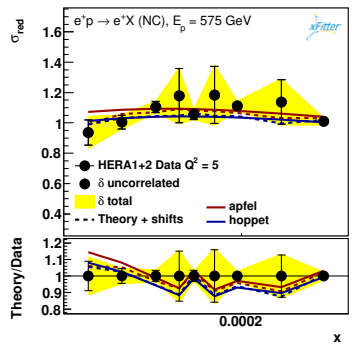
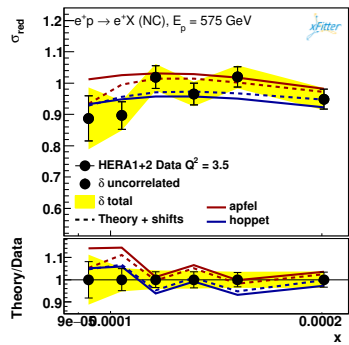
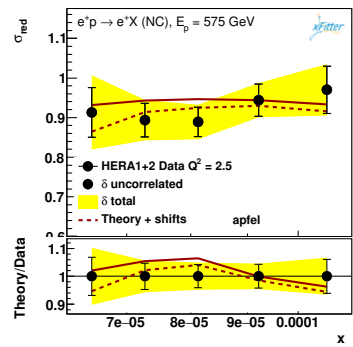
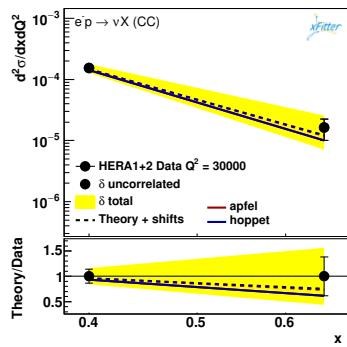
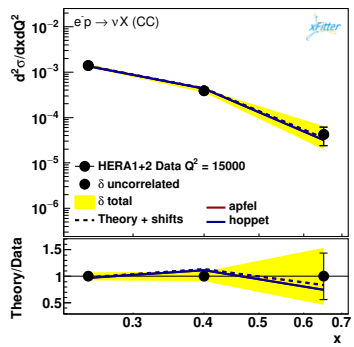
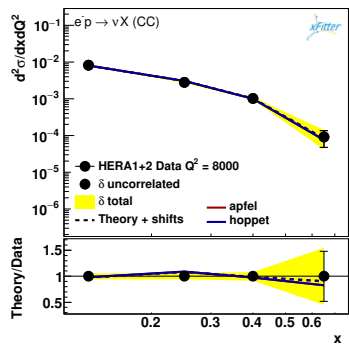
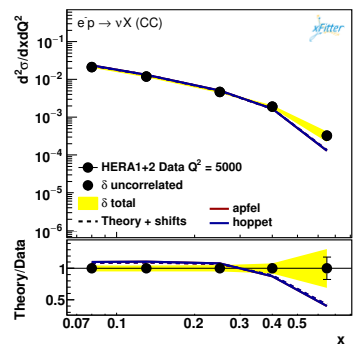
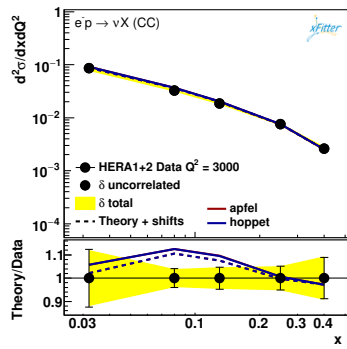
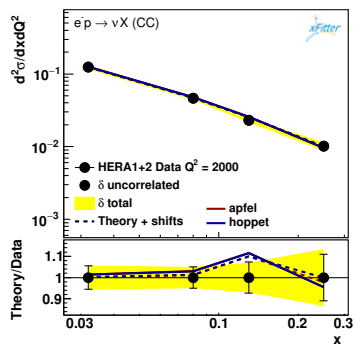
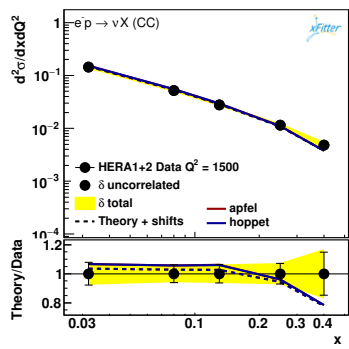


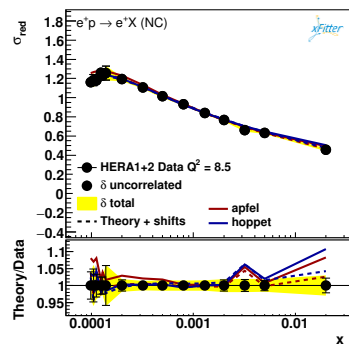
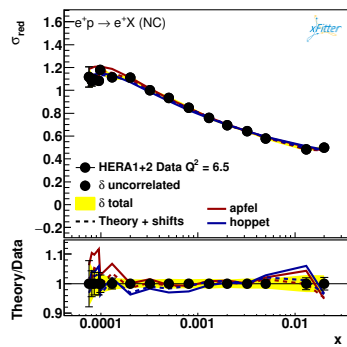
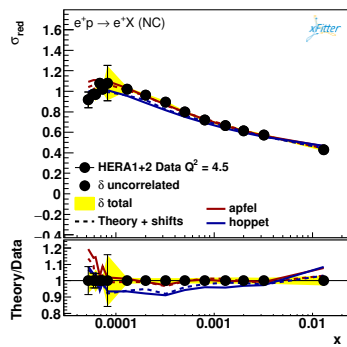
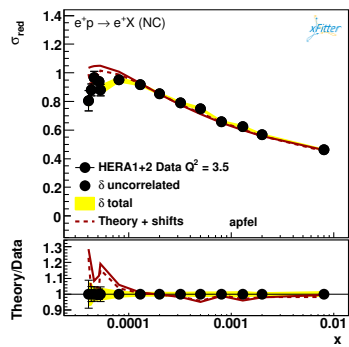
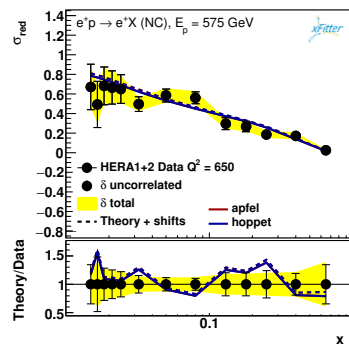
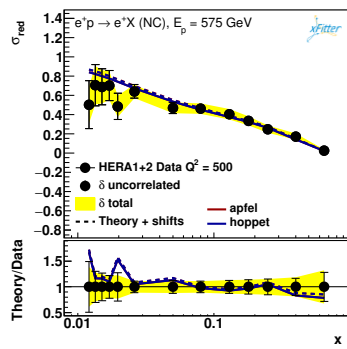
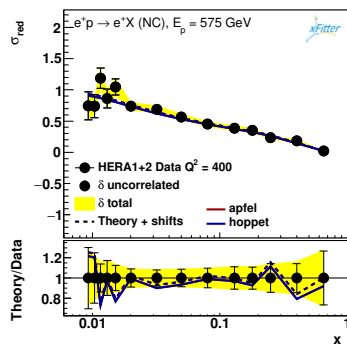
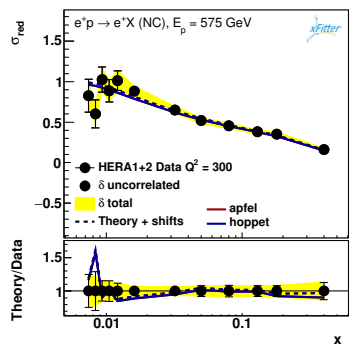
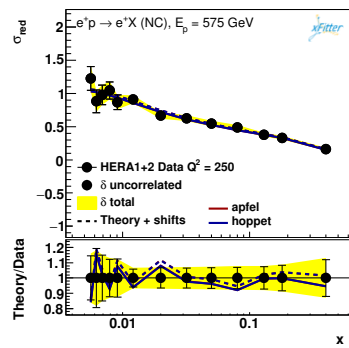
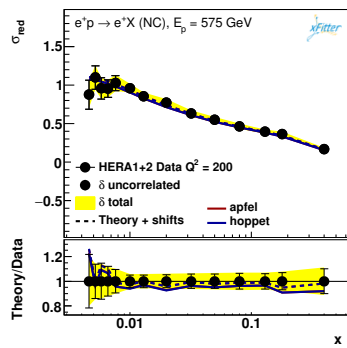
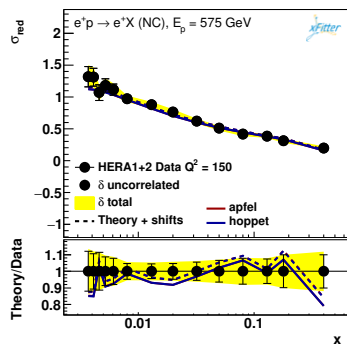
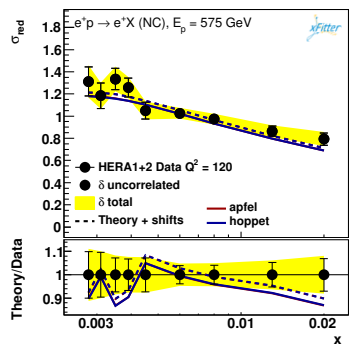
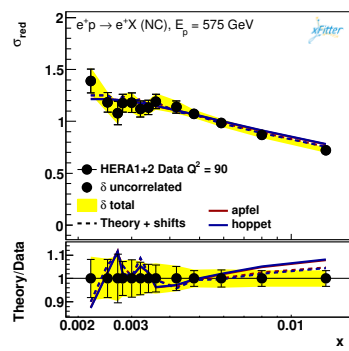
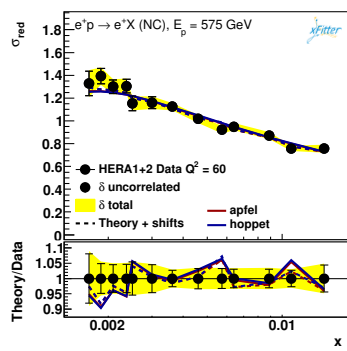
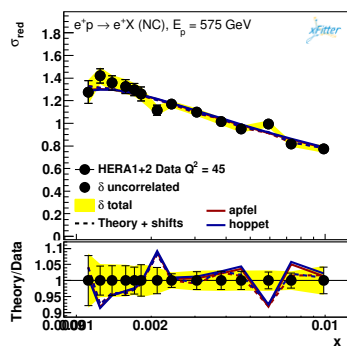
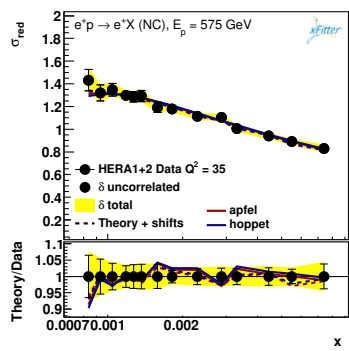


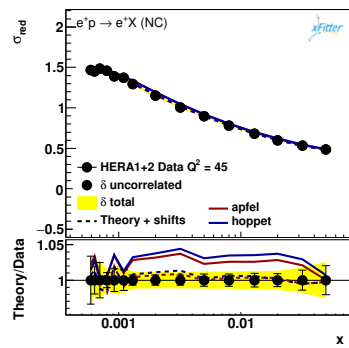
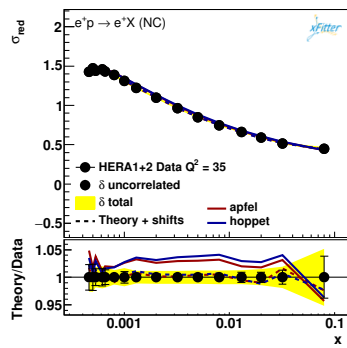
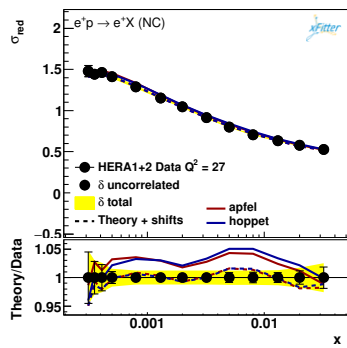
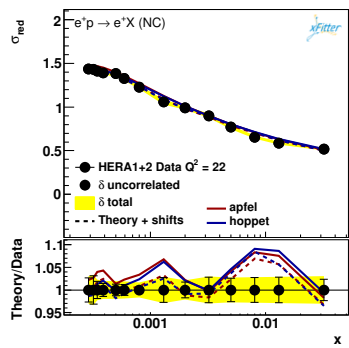
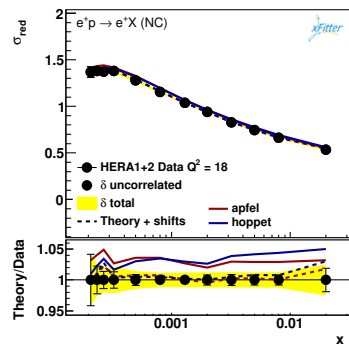
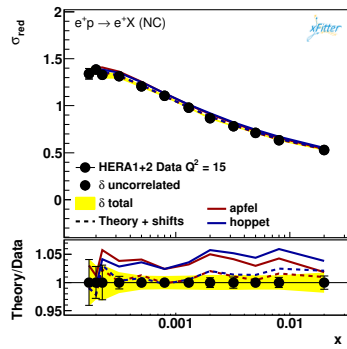
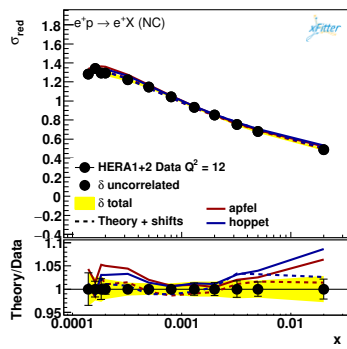
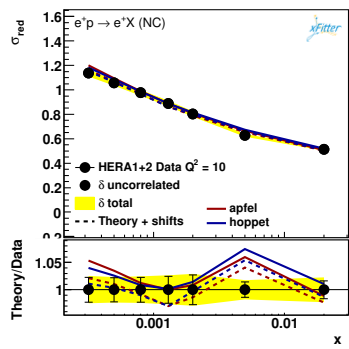


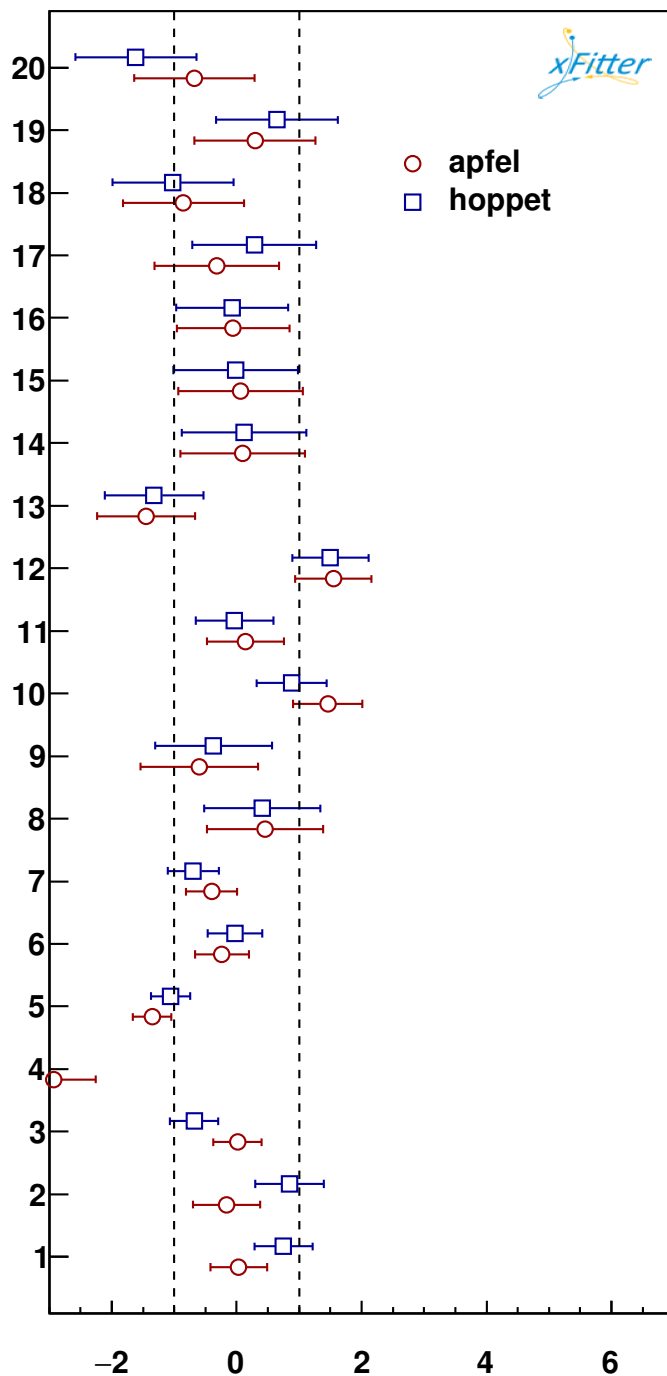




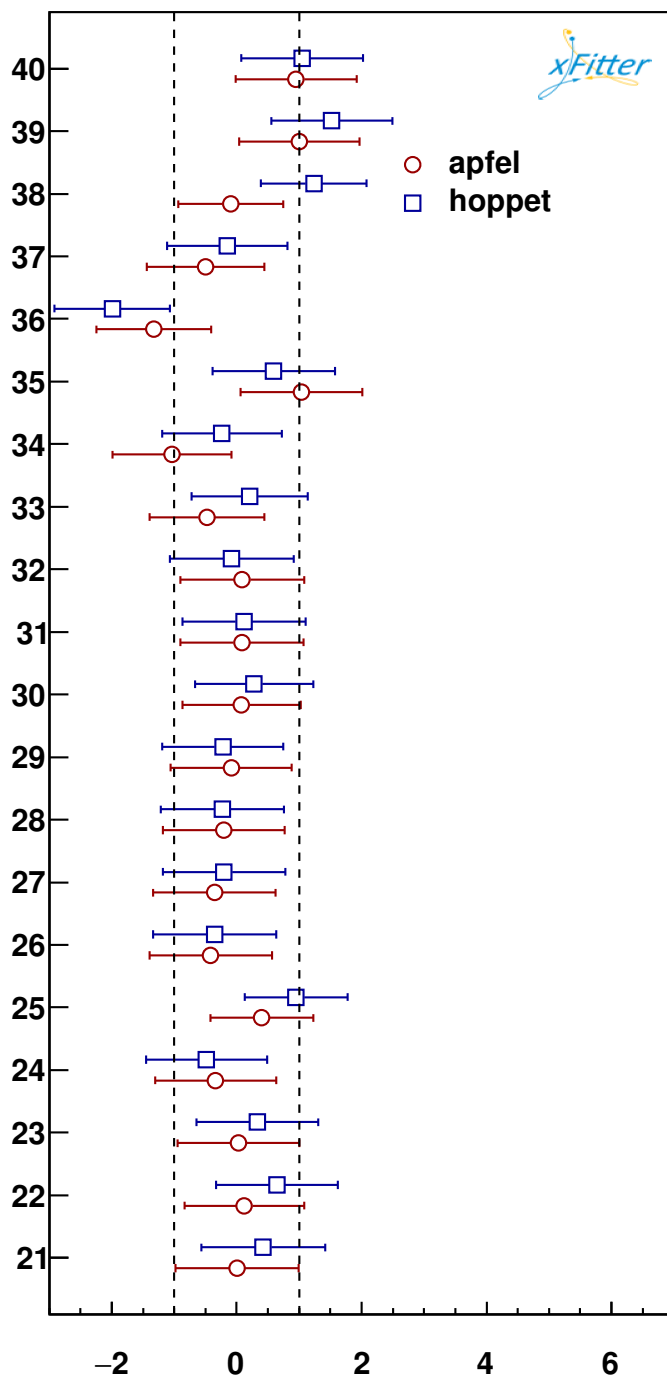




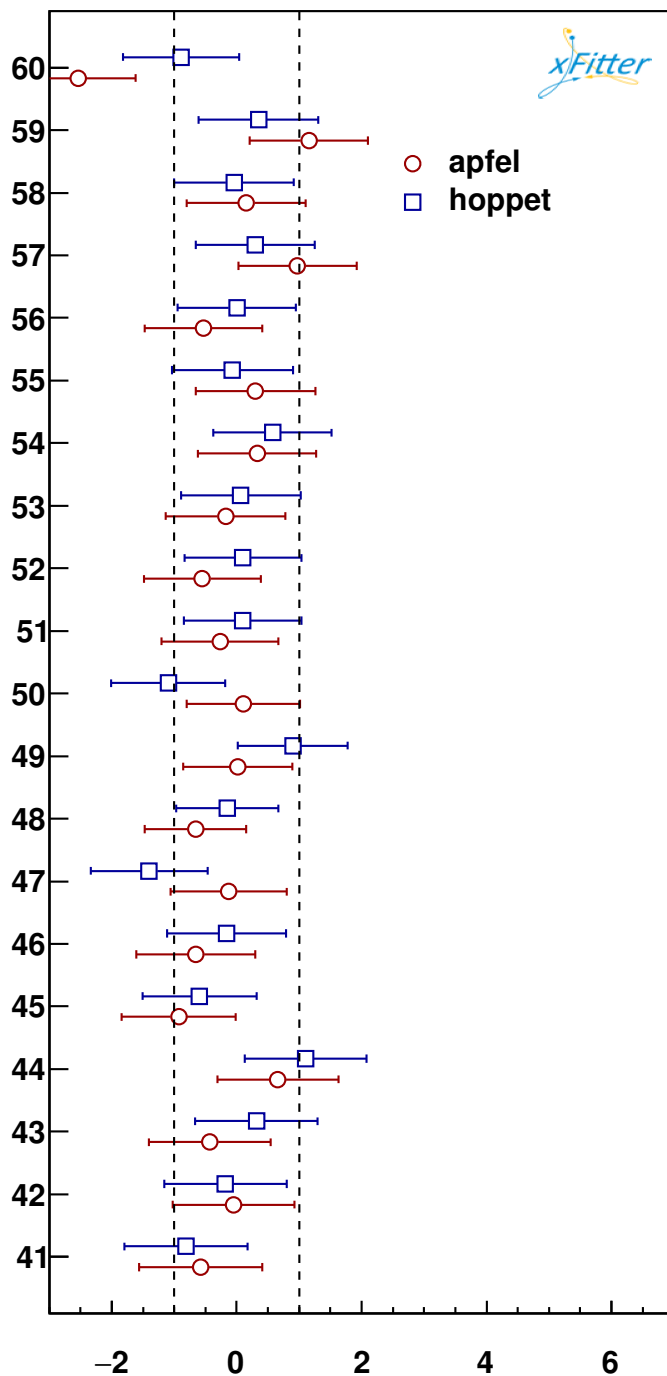




- 20 sysHZComb1013
- 19 sysHZComb1012
- 18 sysHZComb1011
- 17 sysHZComb1010
- 16 sysHZComb1009
- 15 sysHZComb1008
- 14 sysHZComb1007
- 13 sysHZComb1006
- 12 sysHZComb1005
- 11 sysHZComb1004
- 10 sysHZComb1003
- 9 sysHZComb1002
- 8 sysHZComb1001
- 7 proc_tb24
- 6 proc_tb23
- 5 proc_tb22
- 4 proc_tb21
- 3 proc_nrl
- 2 proc_had
- 1 proc_gp



40 sysHZComb1033
 39 sysHZComb1032
 38 sysHZComb1031
 37 sysHZComb1030
 36 sysHZComb1029
 35 sysHZComb1028
 34 sysHZComb1027
 33 sysHZComb1026
 32 sysHZComb1025
 31 sysHZComb1024
 30 sysHZComb1023
 29 sysHZComb1022
 28 sysHZComb1021
 27 sysHZComb1020
 26 sysHZComb1019
 25 sysHZComb1018
 24 sysHZComb1017
 23 sysHZComb1016
 22 sysHZComb1015
 21 sysHZComb1014



60 sysHZComb1053

59 sysHZComb1052

58 sysHZComb1051

57 sysHZComb1050

56 sysHZComb1049

55 sysHZComb1048

54 sysHZComb1047

53 sysHZComb1046

52 sysHZComb1045

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49 sysHZComb1042

48 sysHZComb1041

47 sysHZComb1040

46 sysHZComb1039

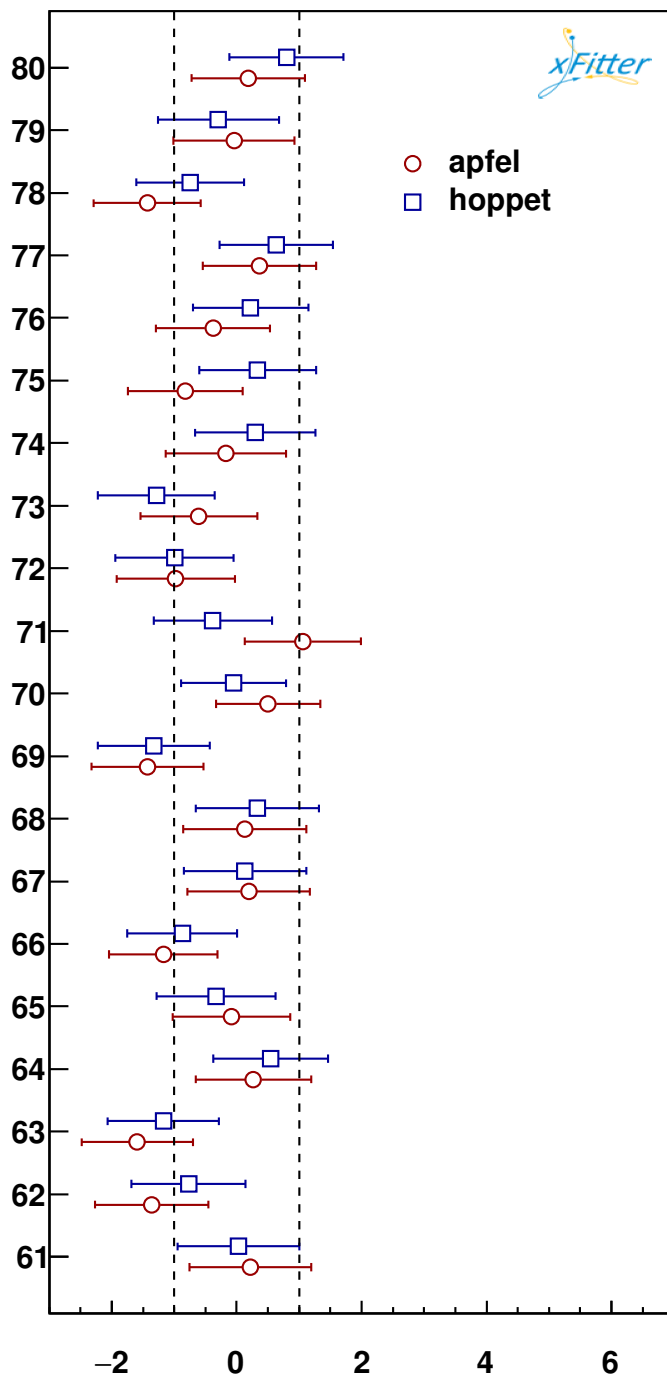
45 sysHZComb1038

44 sysHZComb1037

43 sysHZComb1036

42 sysHZComb1035

41 sysHZComb1034



80 sysHZComb1073

79 sysHZComb1072

78 sysHZComb1071

77 sysHZComb1070

76 sysHZComb1069

75 sysHZComb1068

74 sysHZComb1067

73 sysHZComb1066

72 sysHZComb1065

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69 sysHZComb1062

68 sysHZComb1061

67 sysHZComb1060

66 sysHZComb1059

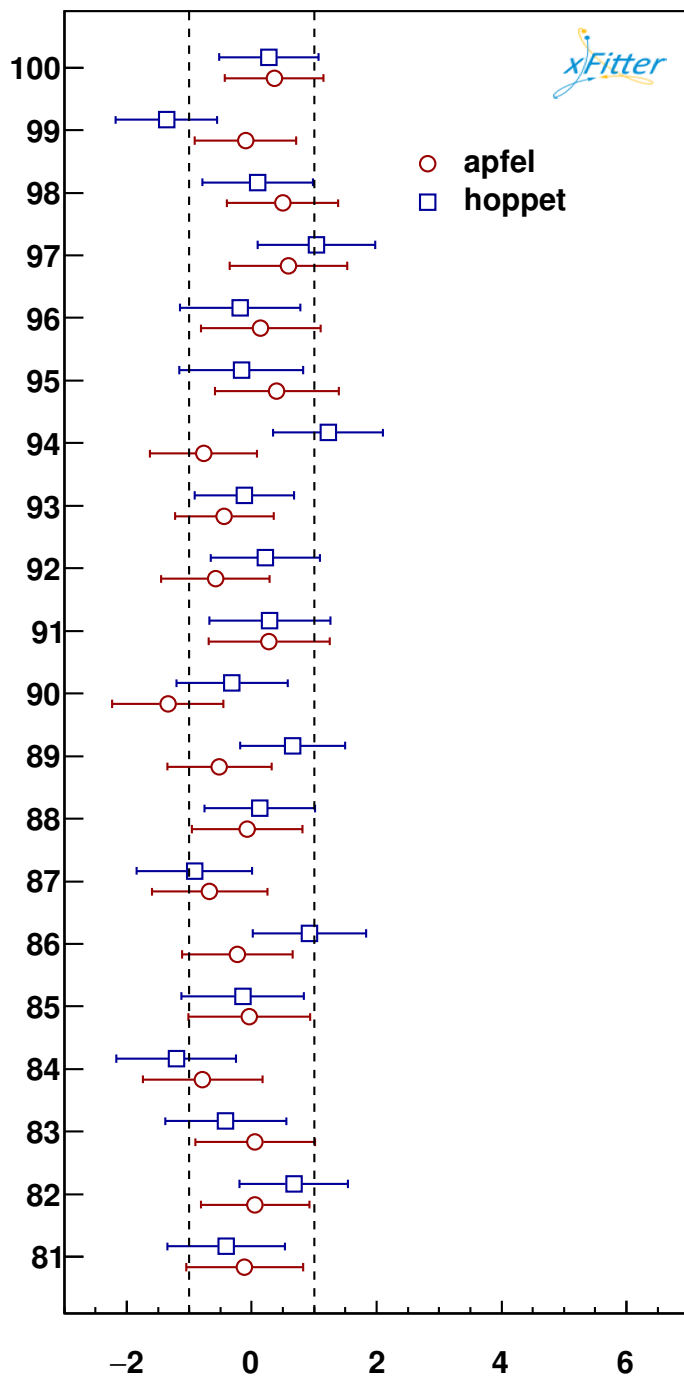
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63 sysHZComb1056

62 sysHZComb1055

61 sysHZComb1054



100 sysHZComb1093

99 sysHZComb1092

98 sysHZComb1091

97 sysHZComb1090

96 sysHZComb1089

95 sysHZComb1088

94 sysHZComb1087

93 sysHZComb1086

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90 sysHZComb1083

89 sysHZComb1082

88 sysHZComb1081

87 sysHZComb1080

86 sysHZComb1079

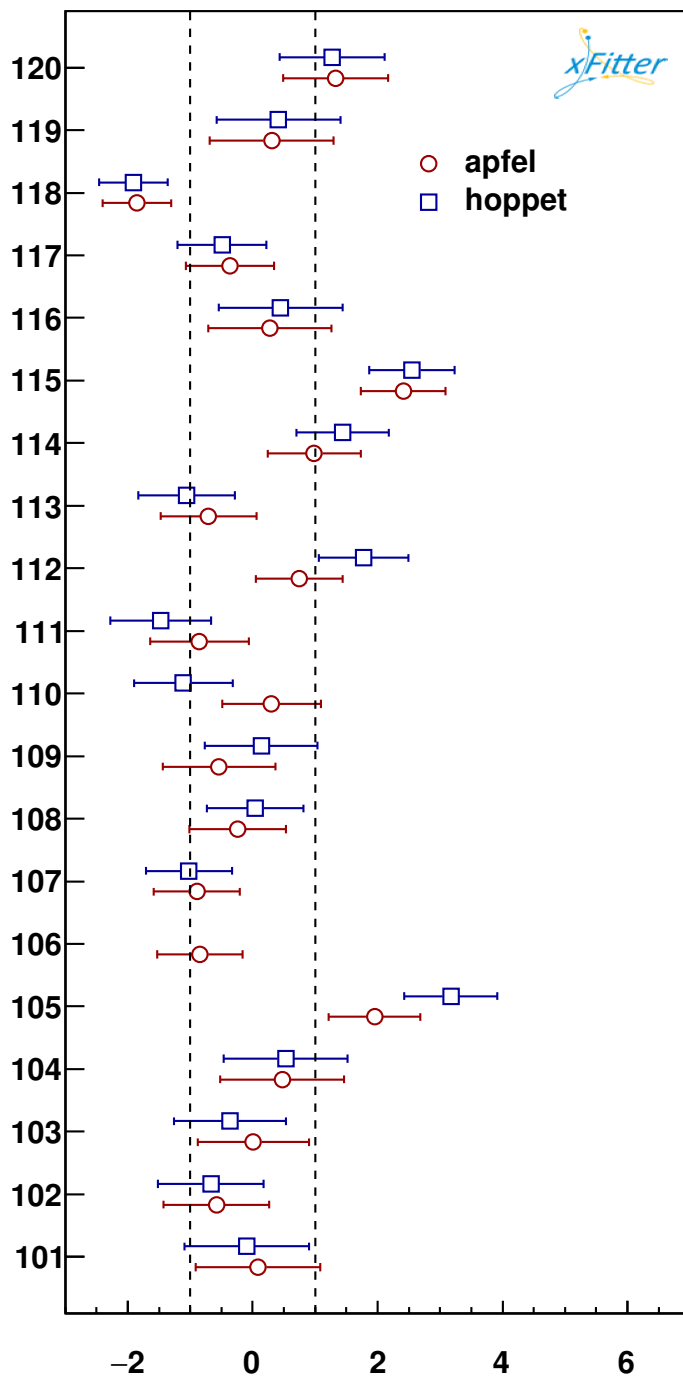
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84 sysHZComb1077

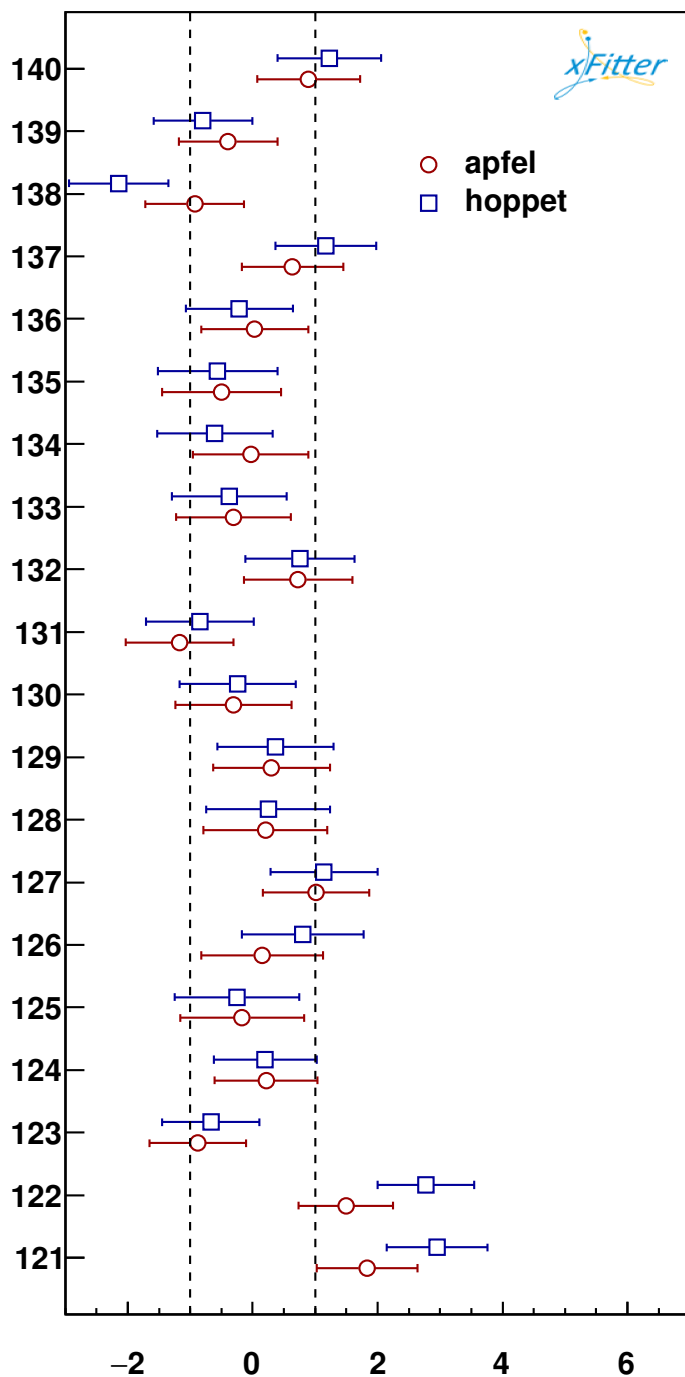
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82 sysHZComb1075

81 sysHZComb1074



120 sysHZComb1113
 119 sysHZComb1112
 118 sysHZComb1111
 117 sysHZComb1110
 116 sysHZComb1109
 115 sysHZComb1108
 114 sysHZComb1107
 113 sysHZComb1106
 112 sysHZComb1105
 111 sysHZComb1104
 110 sysHZComb1103
 109 sysHZComb1102
 108 sysHZComb1101
 107 sysHZComb1100
 106 sysHZComb1099
 105 sysHZComb1098
 104 sysHZComb1097
 103 sysHZComb1096
 102 sysHZComb1095
 101 sysHZComb1094



140 sysHZComb1133

139 sysHZComb1132

138 sysHZComb1131

137 sysHZComb1130

136 sysHZComb1129

135 sysHZComb1128

134 sysHZComb1127

133 sysHZComb1126

132 sysHZComb1125

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129 sysHZComb1122

128 sysHZComb1121

127 sysHZComb1120

126 sysHZComb1119

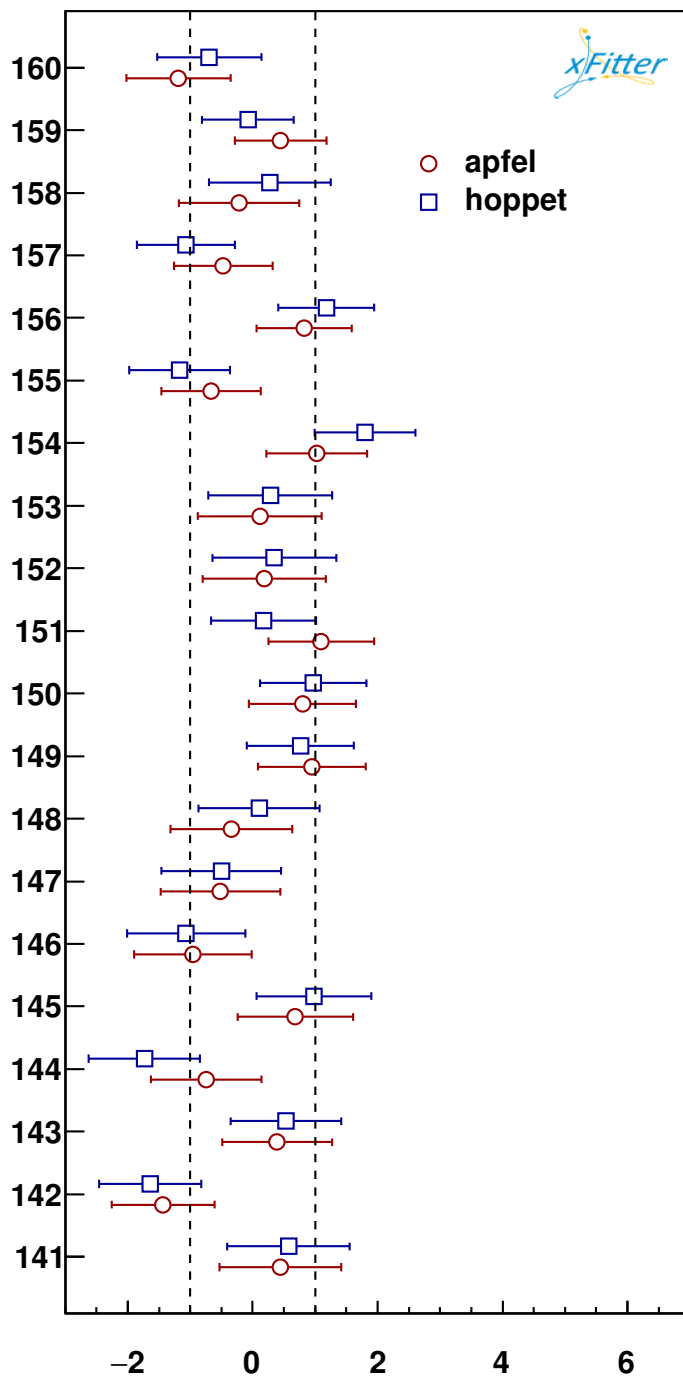
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122 sysHZComb1115

121 sysHZComb1114



160 sysHZComb1153

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158 sysHZComb1151

157 sysHZComb1150

156 sysHZComb1149

155 sysHZComb1148

154 sysHZComb1147

153 sysHZComb1146

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148 sysHZComb1141

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146 sysHZComb1139

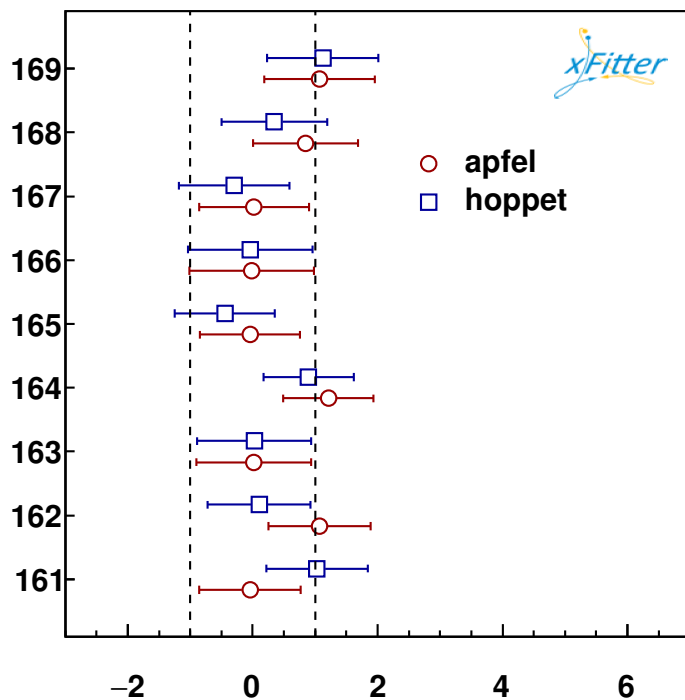
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141 sysHZComb1134



169 sysHZComb1162

168 sysHZComb1161

167 sysHZComb1160

166 sysHZComb1159

165 sysHZComb1158

164 sysHZComb1157

163 sysHZComb1156

162 sysHZComb1155

161 sysHZComb1154

Dataset	apfel	hoppet
HERA1+2 NCep 820	66 / 70	84 / 68
HERA1+2 NCep 460	221 / 204	235 / 200
HERA1+2 CCep	48 / 39	49 / 39
HERA1+2 NCem	224 / 159	224 / 159
HERA1+2 CCem	59 / 42	58 / 42
HERA1+2 NCep 575	216 / 254	216 / 249
HERA1+2 NCep 920	471 / 377	568 / 363
Correlated χ^2	106	165
Log penalty χ^2	+10	+0.49
Total χ^2 / dof	1422 / 1131	1600 / 1106
χ^2 p-value	0.00	0.00

Parameter	apfel	hoppet
'Adbar'	0.2339 ± 0.0076	0.2339 ± 0.0076
'Adv'	1.0000	1.0000
'Ag'	1.0000	1.0000
'Agp'	0.059 ± 0.051	0.059 ± 0.051
'Auv'	1.0000	1.0000
'Bdbar'	-0.0750 ± 0.0043	-0.0750 ± 0.0043
'Bdv'	1.188 ± 0.072	1.188 ± 0.072
'Bg'	-0.127 ± 0.056	-0.127 ± 0.056
'Bgp'	-0.476 ± 0.066	-0.476 ± 0.066
'Buv'	0.897 ± 0.020	0.897 ± 0.020
'Cdbar'	12.6 ± 2.0	12.6 ± 2.0
'Cdv'	5.40 ± 0.35	5.40 ± 0.35
'Cg'	3.97 ± 0.47	3.97 ± 0.47
'Cgp'	25.00	25.00
'Cubar'	9.0 ± 2.6	9.0 ± 2.6
'Cuv'	4.746 ± 0.089	4.746 ± 0.089
'Dubar'	-0.5 ± 2.4	-0.5 ± 2.4
'Euv'	6.93 ± 0.99	6.93 ± 0.99
'fs'	0.4000	0.4000

Fit status

not-a-fit

not-a-fit

Uncertainties

not a fit

not a fit