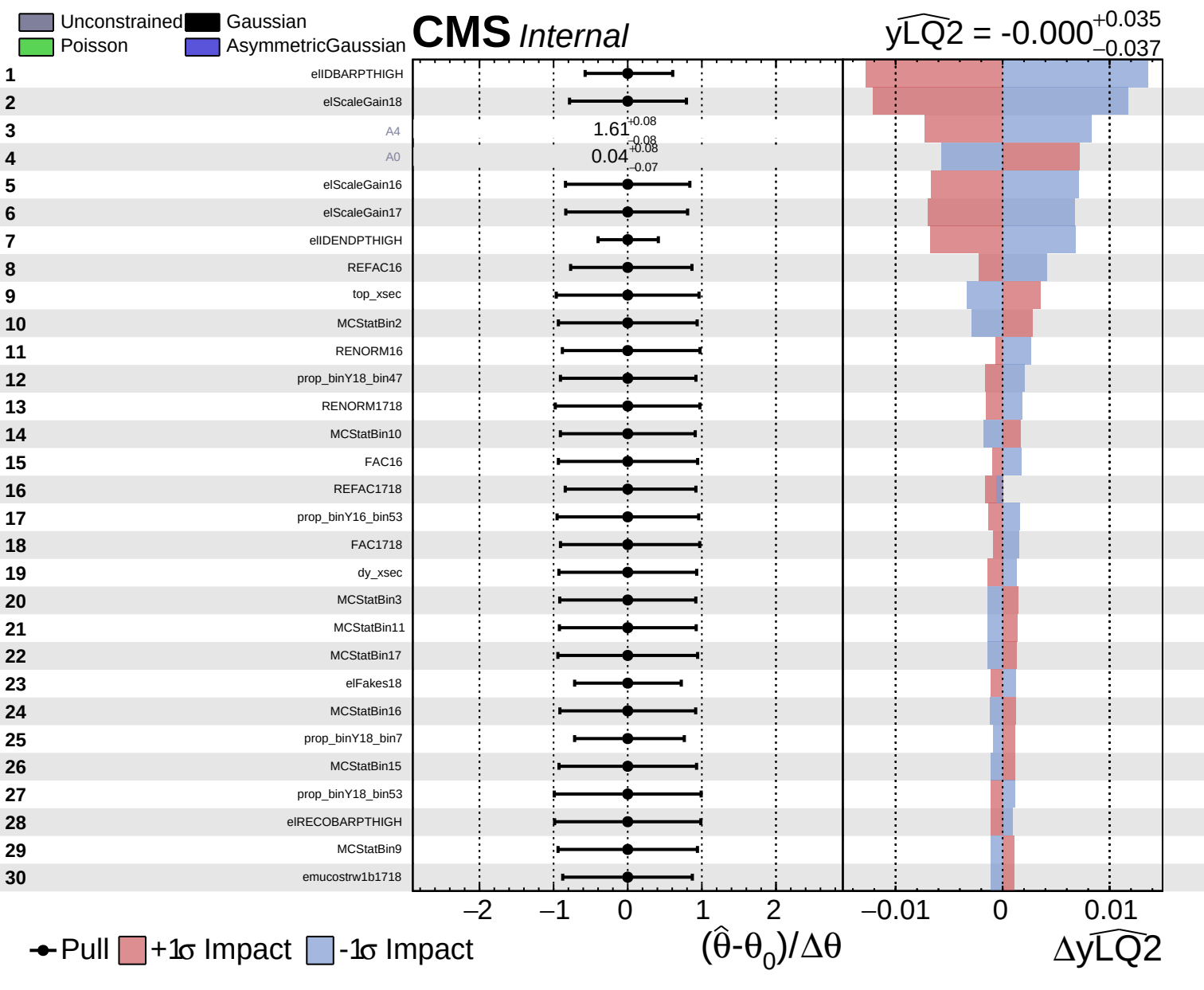
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2 elScaleGain18
3 A4
4 A0
5 elScaleGain16
6 elScaleGain17
7 elIDENDPTHIGH
8 REFAC16
9 top_xsec
10 MCStatBin2
11 RENORM16
12 prop_binY18_bin47
13 RENORM1718
14 MCStatBin10
15 FAC16
16 REFAC1718
17 prop_binY16_bin53
18 FAC1718
19 dy_xsec
20 MCStatBin3
21 MCStatBin11
22 MCStatBin17
23 elFakes18
24 MCStatBin16
25 prop_binY18_bin7
26 MCStatBin15
27 prop_binY18_bin53
28 elRECOBARPTHIGH
29 MCStatBin9
30 emucostrw1b1718
1.61 +0.08 −0.08
0.04 +0.08 −0.07
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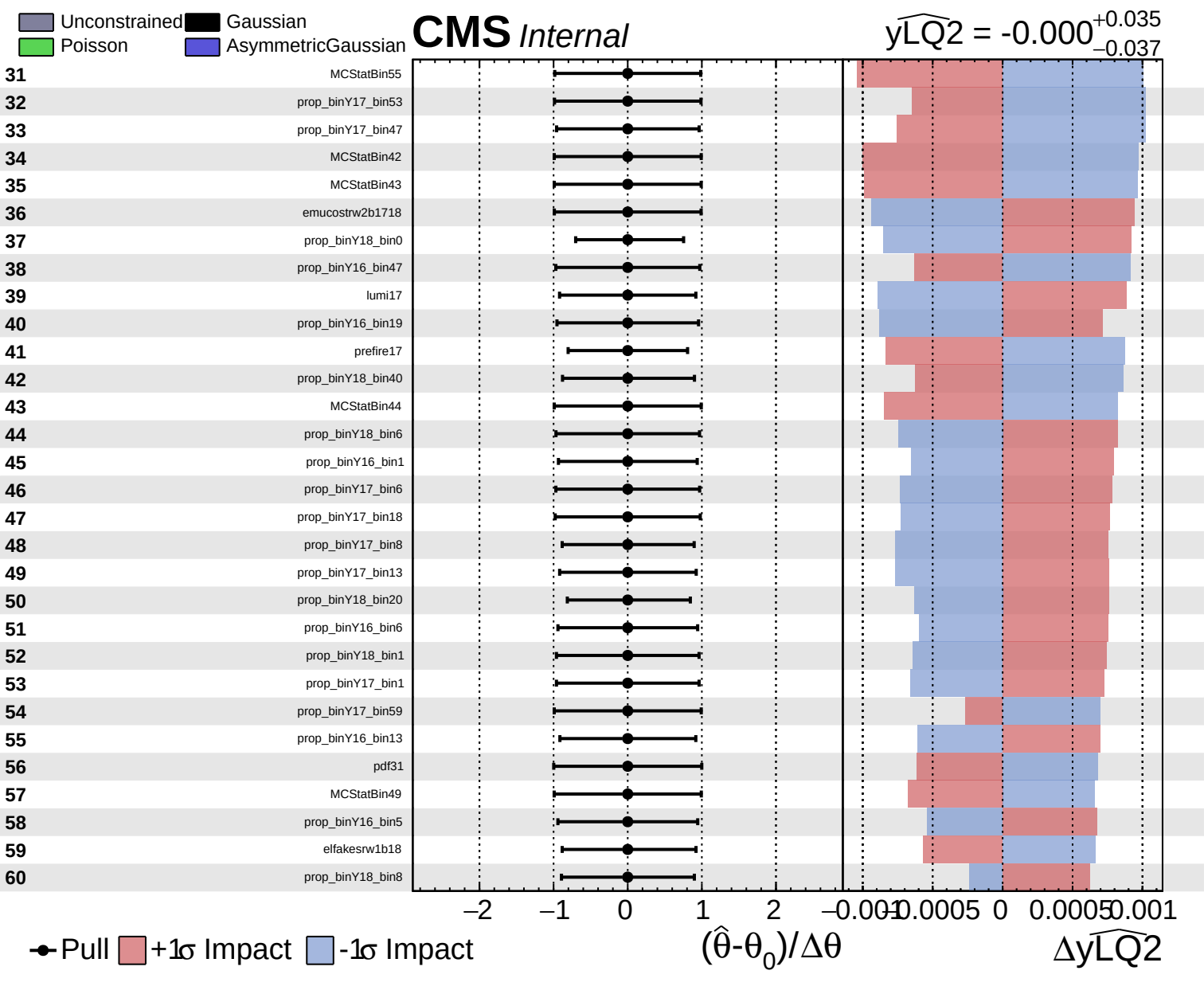
−0.01 0 0.01
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔŷLQ2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34 MCStatBin42
35 MCStatBin43
36 emucostrw2b1718
37 prop_binY18_bin0
38 prop_binY16_bin47
39 lumi17
40 prop_binY16_bin19
41 prefire17
42 prop_binY18_bin40
43 MCStatBin44
44 prop_binY18_bin6
45 prop_binY16_bin1
46 prop_binY17_bin6
47 prop_binY17_bin18
48 prop_binY17_bin8
49 prop_binY17_bin13
50 prop_binY18_bin20
51 prop_binY16_bin6
52 prop_binY18_bin1
53 prop_binY17_bin1
54 prop_binY17_bin59
55 prop_binY16_bin13
56 pdf31
57 MCStatBin49
58 prop_binY16_bin5
59 elfakesrw1b18
60 prop_binY18_bin8
−2 −1 0 1 2
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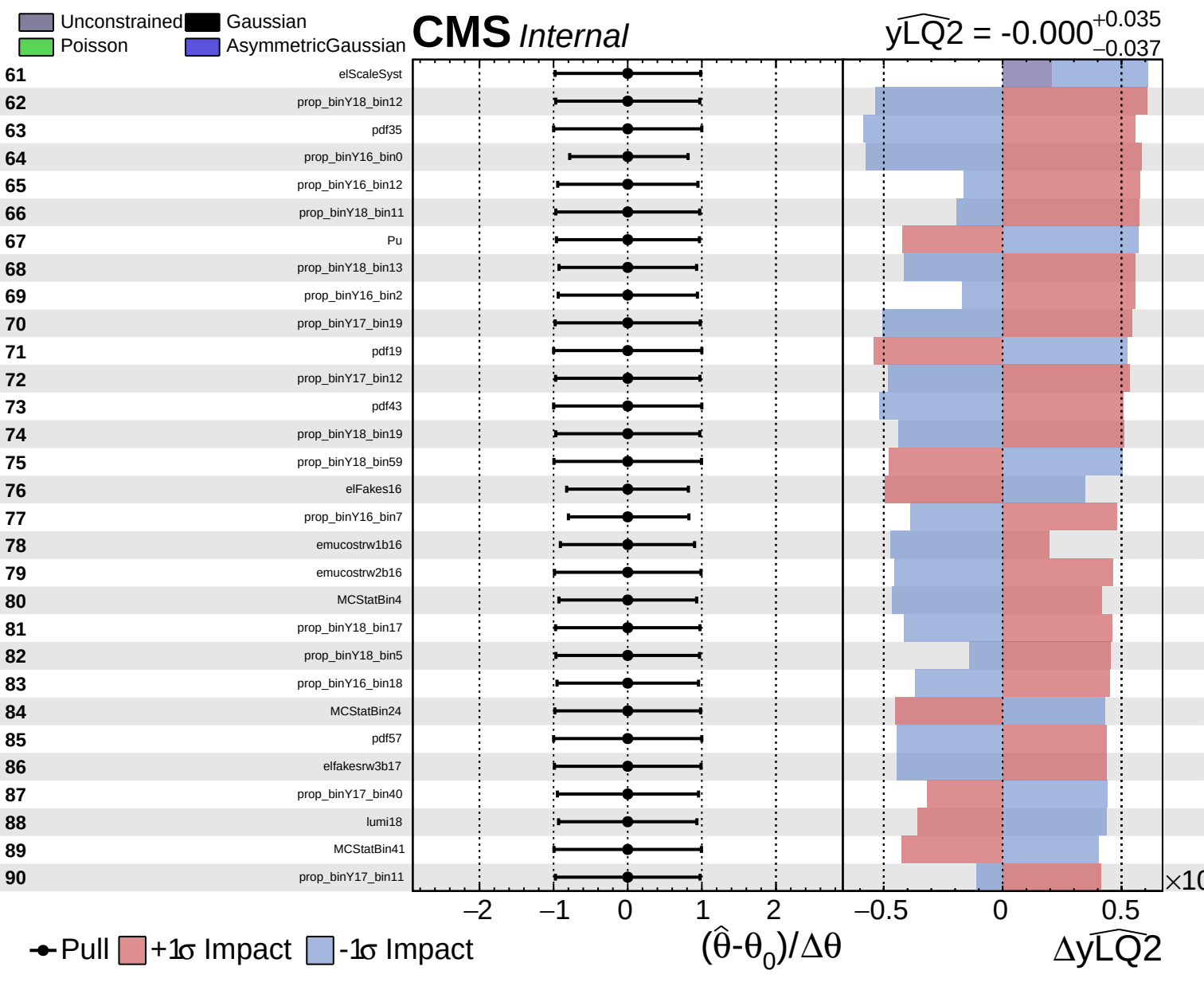
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔŷLQ2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62 prop_binY18_bin12
63 pdf35
64 prop_binY16_bin0
65 prop_binY16_bin12
66 prop_binY18_bin11
67 Pu
68 prop_binY18_bin13
69 prop_binY16_bin2
70 prop_binY17_bin19
71 pdf19
72 prop_binY17_bin12
73 pdf43
74 prop_binY18_bin19
75 prop_binY18_bin59
76 elFakes16
77 prop_binY16_bin7
78 emucostrw1b16
79 emucostrw2b16
80 MCStatBin4
81 prop_binY18_bin17
82 prop_binY18_bin5
83 prop_binY16_bin18
84 MCStatBin24
85 pdf57
86 elfakesrw3b17
87 prop_binY17_bin40
88 lumi18
89 MCStatBin41
90 prop_binY17_bin11
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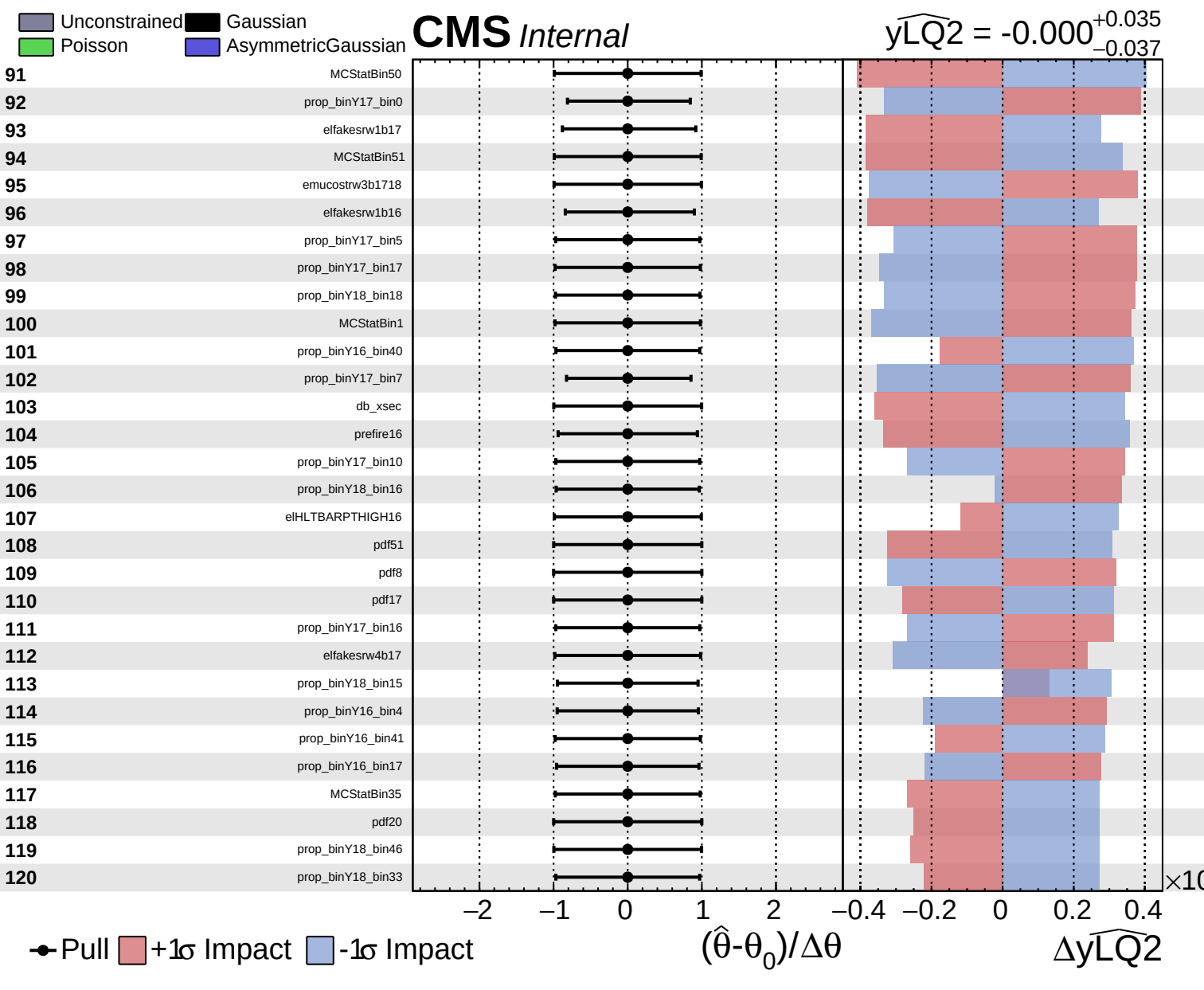
−0.5 0 0.5
×10
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔŷLQ2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Poisson
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92 prop_binY17_bin0
93 elfakesrw1b17
94 MCStatBin51
95 emucostrw3b1718
96 elfakesrw1b16
97 prop_binY17_bin5
98 prop_binY17_bin17
99 prop_binY18_bin18
100 MCStatBin1
101 prop_binY16_bin40
102 prop_binY17_bin7
103 db_xsec
104 prefire16
105 prop_binY17_bin10
106 prop_binY18_bin16
107 elHLTBARPTHIGH16
108 pdf51
109 pdf8
110 pdf17
111 prop_binY17_bin16
112 elfakesrw4b17
113 prop_binY18_bin15
114 prop_binY16_bin4
115 prop_binY16_bin41
116 prop_binY16_bin17
117 MCStatBin35
118 pdf20
119 prop_binY18_bin46
120 prop_binY18_bin33
×10
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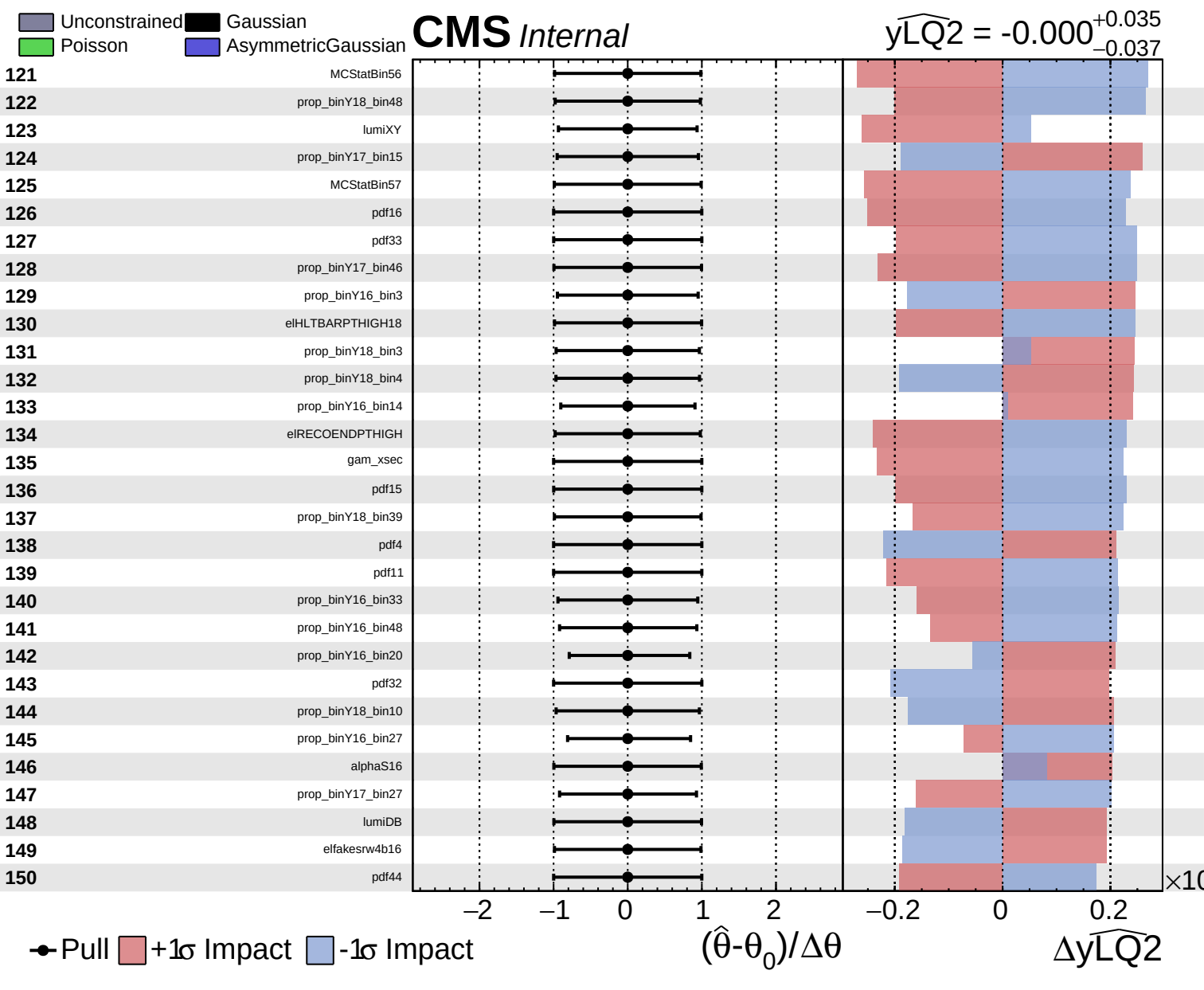
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔyLQ2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Poisson
AsymmetricGaussian
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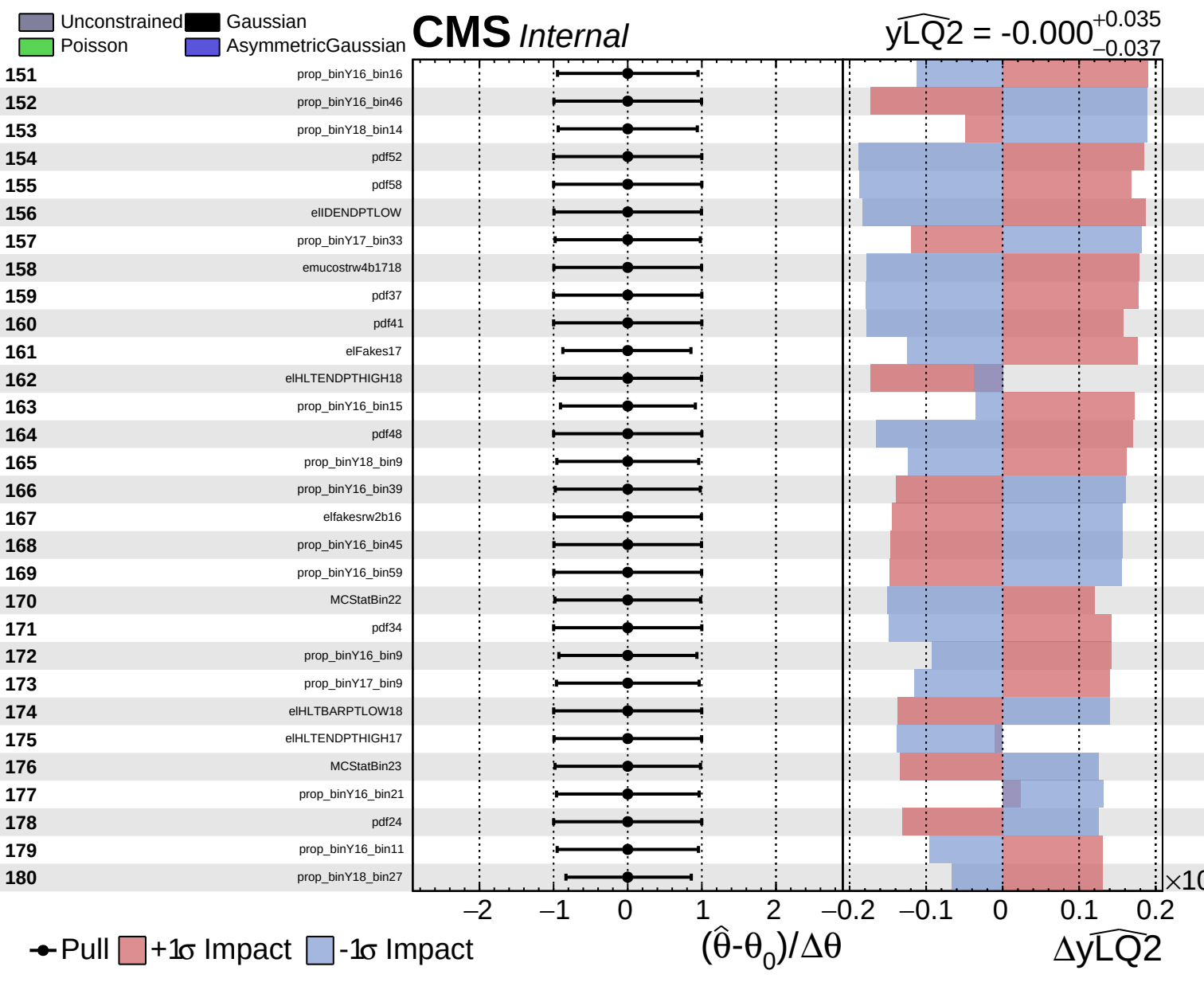
121 MCStatBin56
122 prop_binY18_bin48
123 lumiXY
124 prop_binY17_bin15
125 MCStatBin57
126 pdf16
127 pdf33
128 prop_binY17_bin46
129 prop_binY16_bin3
130 elHLTBARPTHIGH18
131 prop_binY18_bin3
132 prop_binY18_bin4
133 prop_binY16_bin14
134 elRECOENDPTHIGH
135 gam_xsec
136 pdf15
137 prop_binY18_bin39
138 pdf4
139 pdf11
140 prop_binY16_bin33
141 prop_binY16_bin48
142 prop_binY16_bin20
143 pdf32
144 prop_binY18_bin10
145 prop_binY16_bin27
146 alphaS16
147 prop_binY17_bin27
148 lumiDB
149 elfakesrw4b16
150 pdf44
×10
−2 −1 0 1 2
−0.2 0 0.2
Pull +1σ Impact -1σ Impact
(θ̂-θ0)/Δθ
ΔŷLQ2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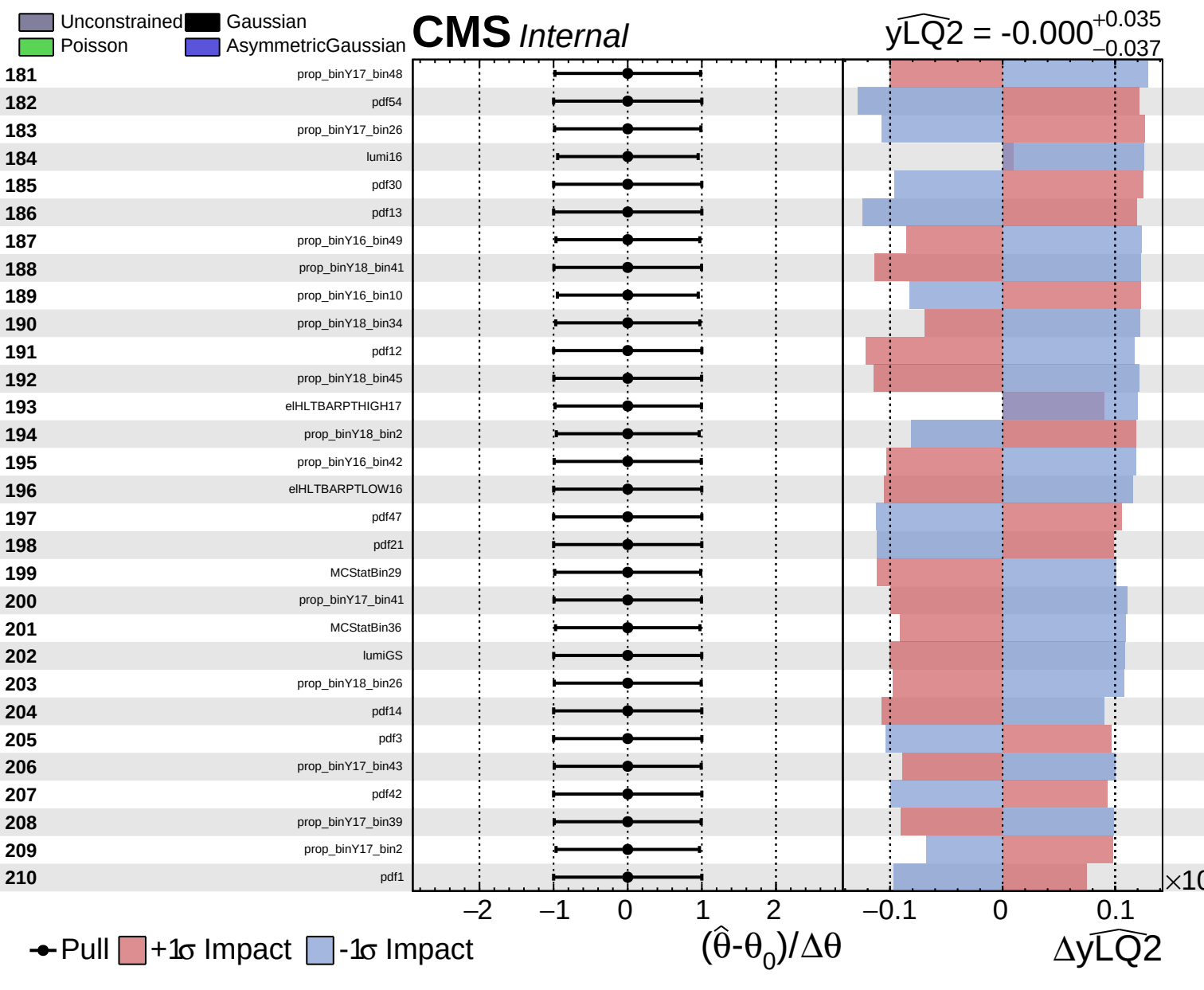
152 prop_binY16_bin46
153 prop_binY18_bin14
154 pdf52
155 pdf58
156 elIDENDPTLOW
157 prop_binY17_bin33
158 emucostrw4b1718
159 pdf37
160 pdf41
161 elFakes17
162 elHLTENDPTHIGH18
163 prop_binY16_bin15
164 pdf48
165 prop_binY18_bin9
166 prop_binY16_bin39
167 elfakesrw2b16
168 prop_binY16_bin45
169 prop_binY16_bin59
170 MCStatBin22
171 pdf34
172 prop_binY16_bin9
173 prop_binY17_bin9
174 elHLTBARPTLOW18
175 elHLTENDPTHIGH17
176 MCStatBin23
177 prop_binY16_bin21
178 pdf24
179 prop_binY16_bin11
180 prop_binY18_bin27
−2 −1 0 1 2
−0.2 −0.1 0 0.1 0.2
×10
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔŷLQ2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182 pdf54
183 prop_binY17_bin26
184 lumi16
185 pdf30
186 pdf13
187 prop_binY16_bin49
188 prop_binY18_bin41
189 prop_binY16_bin10
190 prop_binY18_bin34
191 pdf12
192 prop_binY18_bin45
193 elHLTBARPTHIGH17
194 prop_binY18_bin2
195 prop_binY16_bin42
196 elHLTBARPTLOW16
197 pdf47
198 pdf21
199 MCStatBin29
200 prop_binY17_bin41
201 MCStatBin36
202 lumiGS
203 prop_binY18_bin26
204 pdf14
205 pdf3
206 prop_binY17_bin43
207 pdf42
208 prop_binY17_bin39
209 prop_binY17_bin2
210 pdf1
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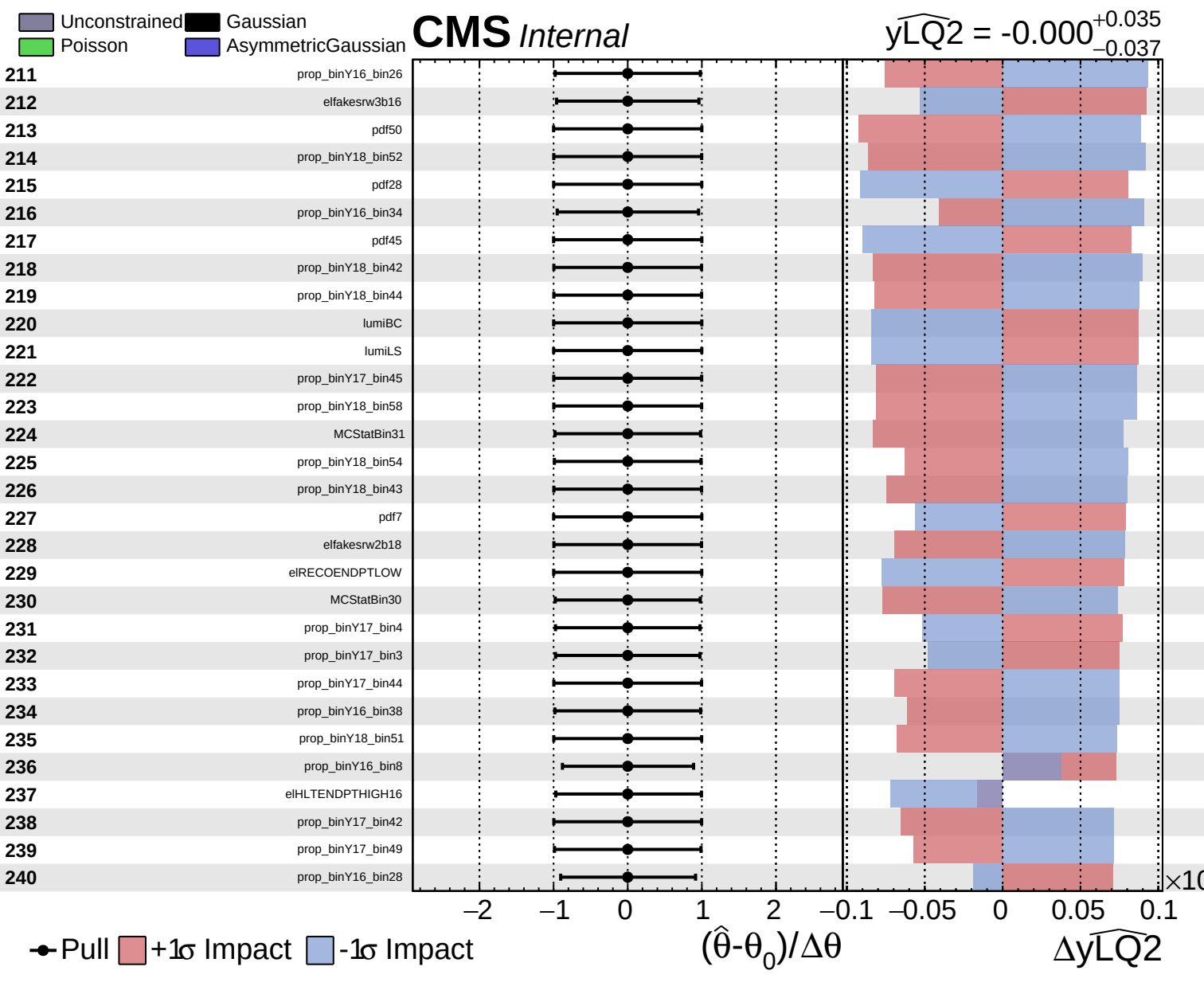
−0.1 0 0.1
×10
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔyLQ2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213 pdf50
214 prop_binY18_bin52
215 pdf28
216 prop_binY16_bin34
217 pdf45
218 prop_binY18_bin42
219 prop_binY18_bin44
220 lumiBC
221 lumiLS
222 prop_binY17_bin45
223 prop_binY18_bin58
224 MCStatBin31
225 prop_binY18_bin54
226 prop_binY18_bin43
227 pdf7
228 elfakesrw2b18
229 elRECOENDPTLOW
230 MCStatBin30
231 prop_binY17_bin4
232 prop_binY17_bin3
233 prop_binY17_bin44
234 prop_binY16_bin38
235 prop_binY18_bin51
236 prop_binY16_bin8
237 elHLTENDPTHIGH16
238 prop_binY17_bin42
239 prop_binY17_bin49
240 prop_binY16_bin28
×10
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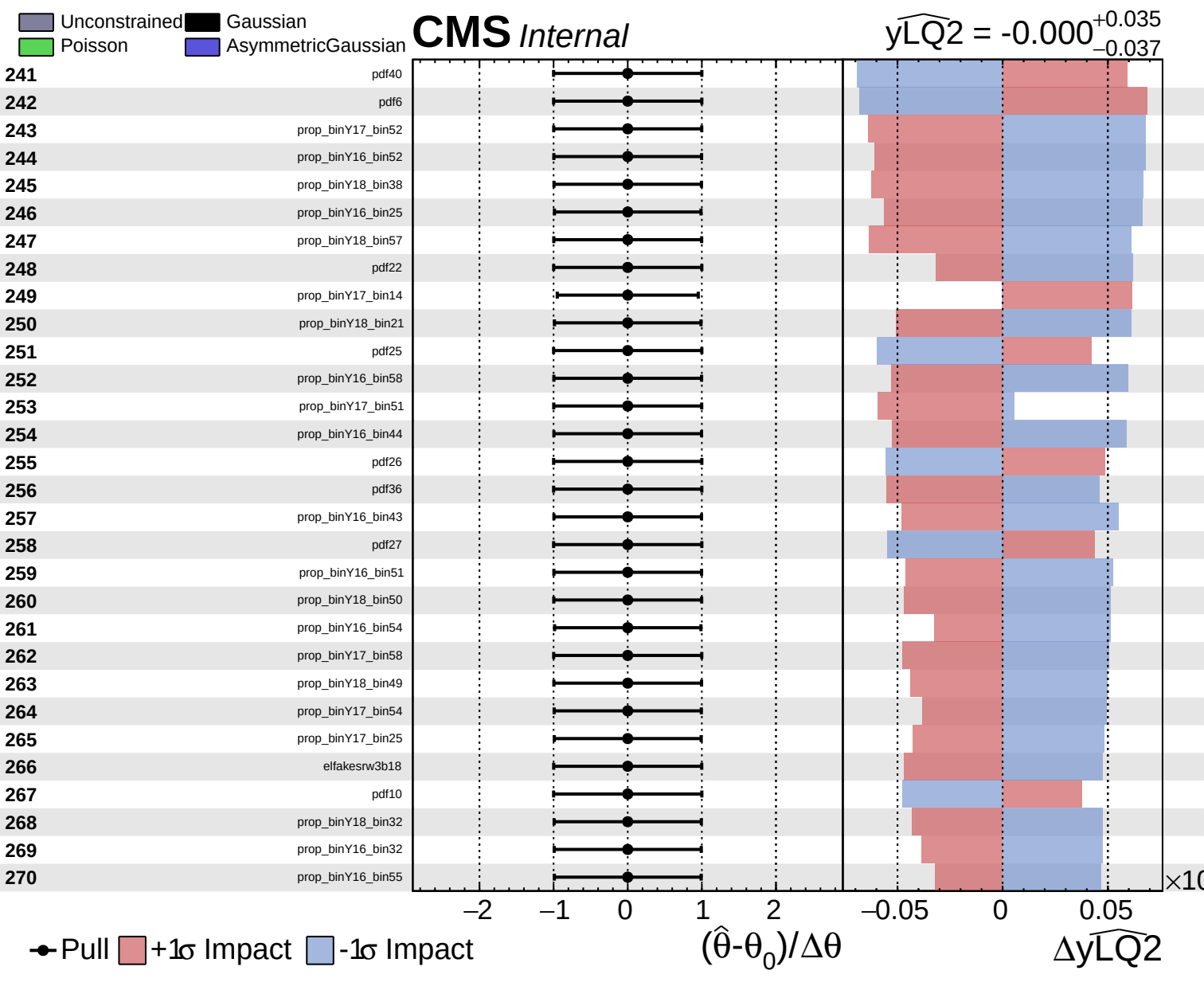
Pull
+1σ Impact
-1σ Impact
(θ̂-θ0)/Δθ
ΔŷLQ2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243 prop_binY17_bin52
244 prop_binY16_bin52
245 prop_binY18_bin38
246 prop_binY16_bin25
247 prop_binY18_bin57
248 pdf22
249 prop_binY17_bin14
250 prop_binY18_bin21
251 pdf25
252 prop_binY16_bin58
253 prop_binY17_bin51
254 prop_binY16_bin44
255 pdf26
256 pdf36
257 prop_binY16_bin43
258 pdf27
259 prop_binY16_bin51
260 prop_binY18_bin50
261 prop_binY16_bin54
262 prop_binY17_bin58
263 prop_binY18_bin49
264 prop_binY17_bin54
265 prop_binY17_bin25
266 elfakesrw3b18
267 pdf10
268 prop_binY18_bin32
269 prop_binY16_bin32
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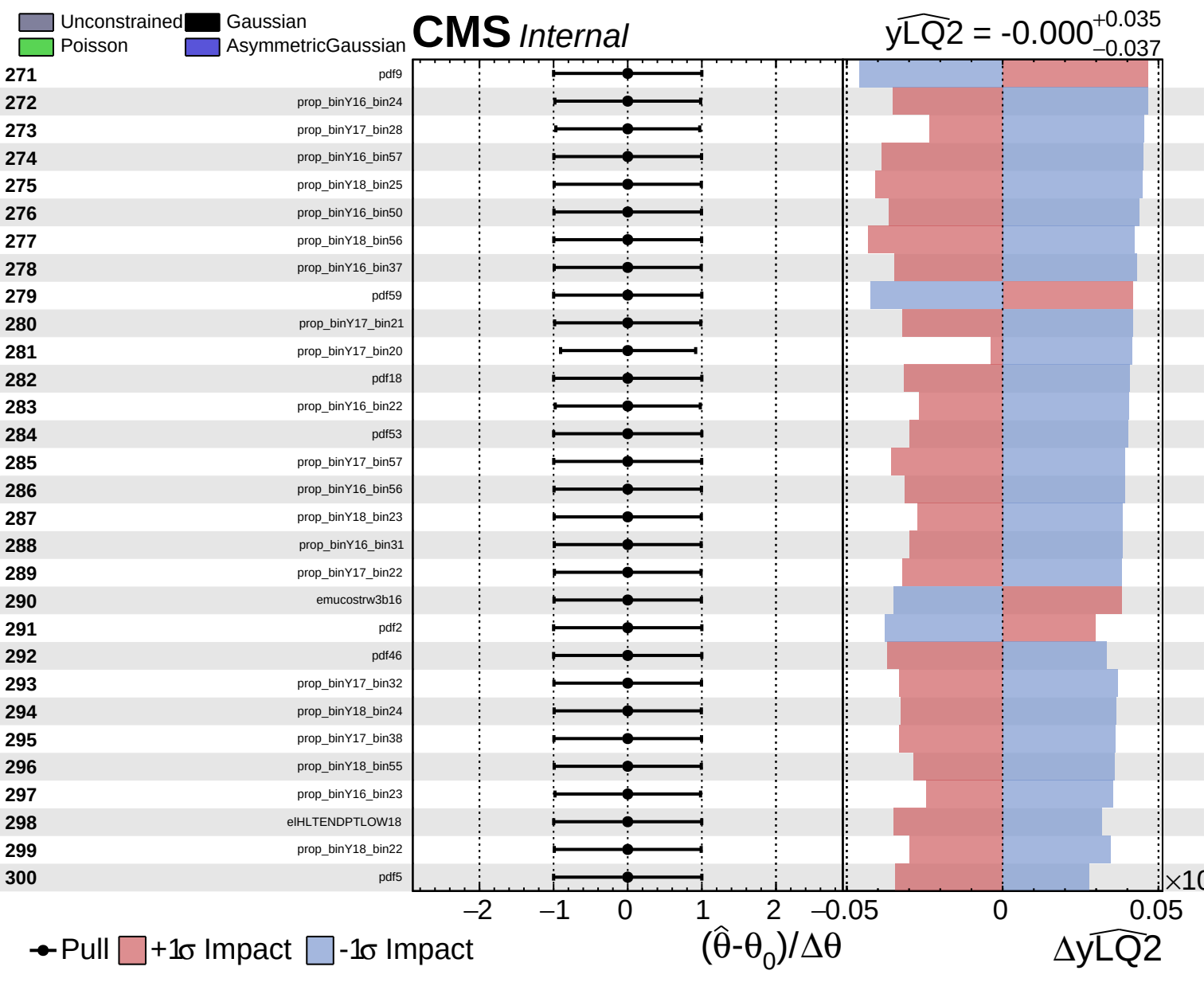
×10
Pull +1σ Impact -1σ Impact
(θ̂-θ0)/Δθ
ΔyLQ2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274 prop_binY16_bin57
275 prop_binY18_bin25
276 prop_binY16_bin50
277 prop_binY18_bin56
278 prop_binY16_bin37
279 pdf59
280 prop_binY17_bin21
281 prop_binY17_bin20
282 pdf18
283 prop_binY16_bin22
284 pdf53
285 prop_binY17_bin57
286 prop_binY16_bin56
287 prop_binY18_bin23
288 prop_binY16_bin31
289 prop_binY17_bin22
290 emucostrw3b16
291 pdf2
292 pdf46
293 prop_binY17_bin32
294 prop_binY18_bin24
295 prop_binY17_bin38
296 prop_binY18_bin55
297 prop_binY16_bin23
298 elHLTENDPTLOW18
299 prop_binY18_bin22
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×10
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-1σ Impact
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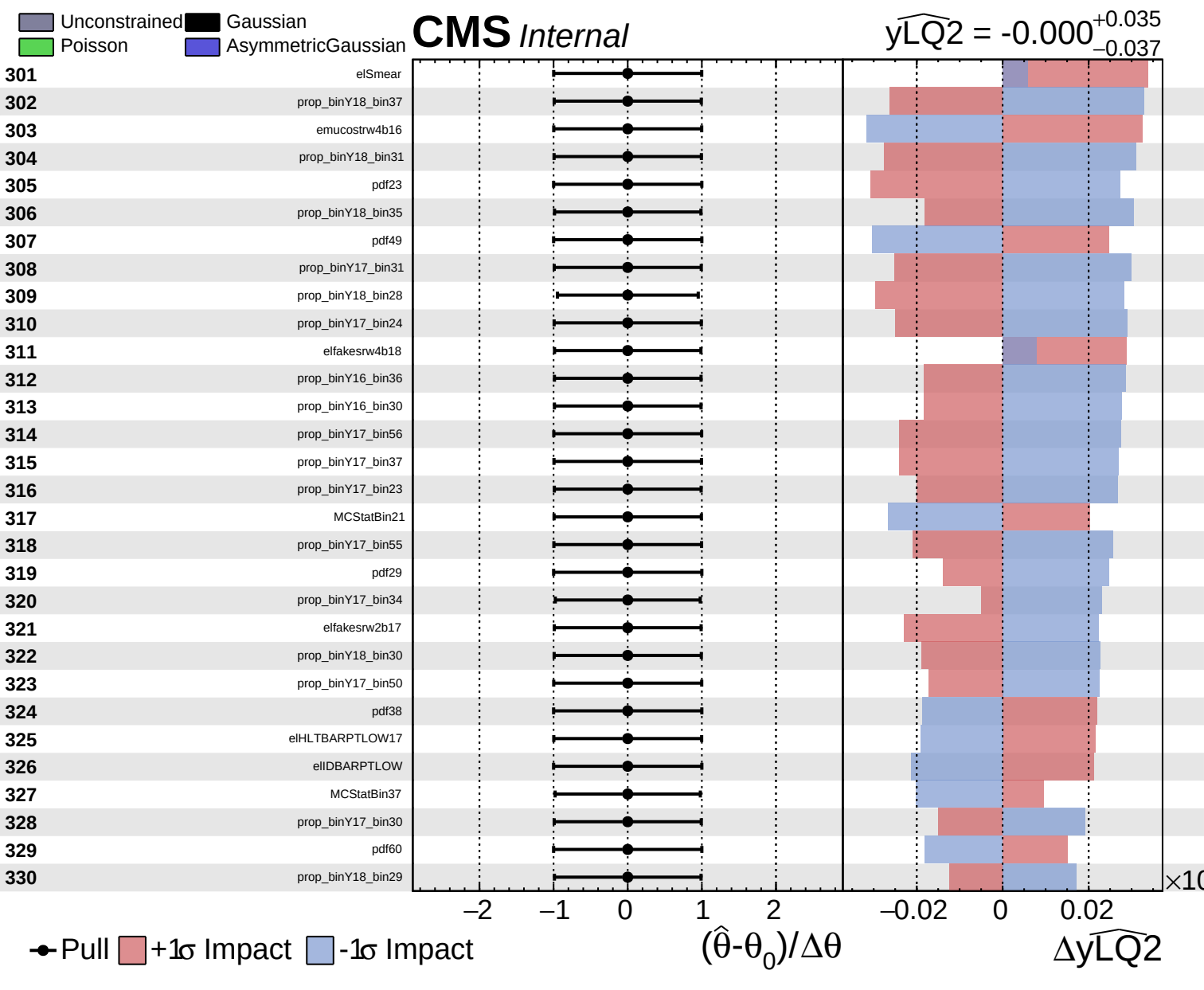
ΔyLQ2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305 pdf23
306 prop_binY18_bin35
307 pdf49
308 prop_binY17_bin31
309 prop_binY18_bin28
310 prop_binY17_bin24
311 elfakesrw4b18
312 prop_binY16_bin36
313 prop_binY16_bin30
314 prop_binY17_bin56
315 prop_binY17_bin37
316 prop_binY17_bin23
317 MCStatBin21
318 prop_binY17_bin55
319 pdf29
320 prop_binY17_bin34
321 elfakesrw2b17
322 prop_binY18_bin30
323 prop_binY17_bin50
324 pdf38
325 elHLTBARPTLOW17
326 elIDBARPTLOW
327 MCStatBin37
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329 pdf60
330 prop_binY18_bin29
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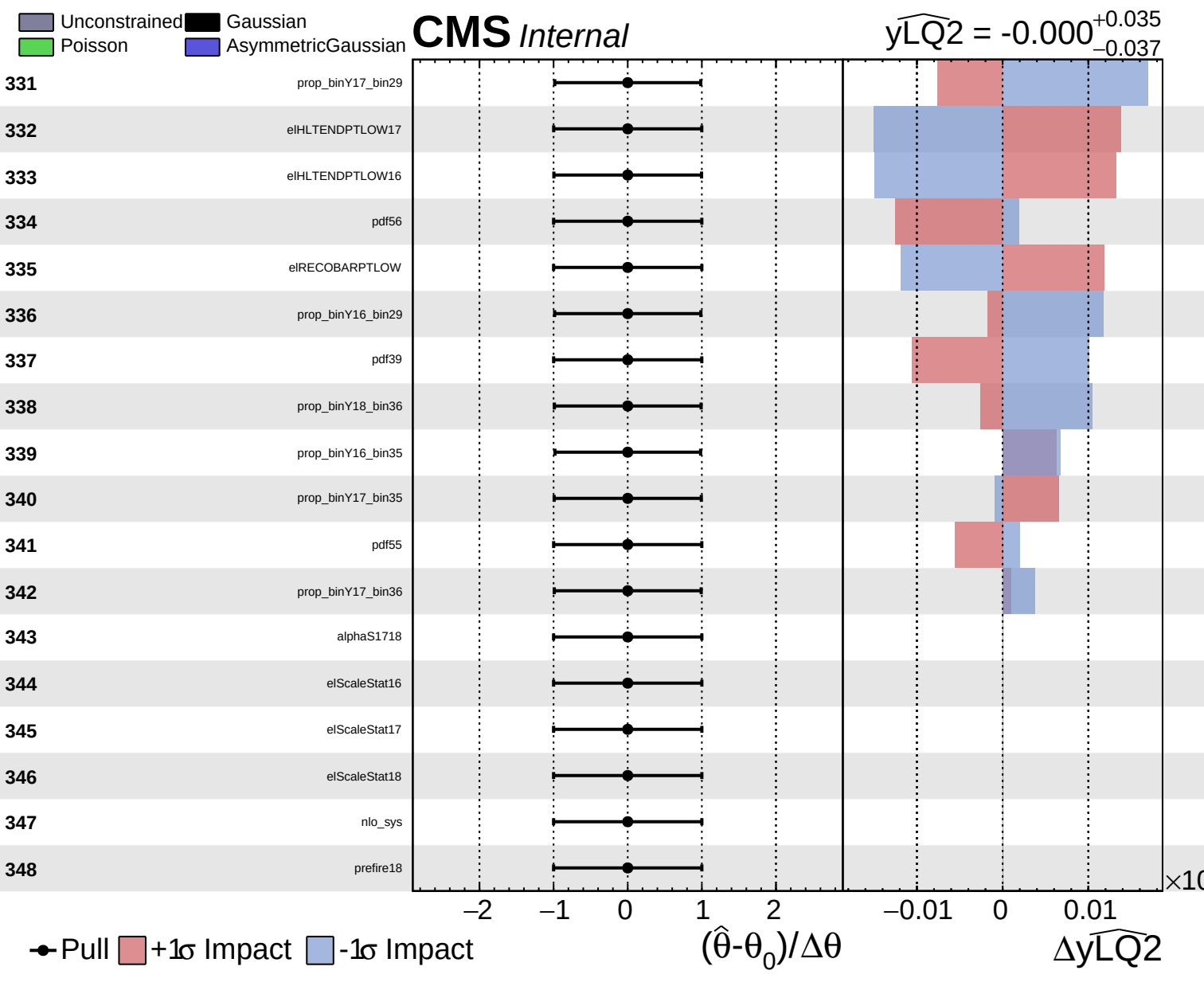
-1σ Impact
(θ̂-θ0)/Δθ
ΔyLQ2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335 elRECOBARPTLOW
336 prop_binY16_bin29
337 pdf39
338 prop_binY18_bin36
339 prop_binY16_bin35
340 prop_binY17_bin35
341 pdf55
342 prop_binY17_bin36
343 alphaS1718
344 elScaleStat16
345 elScaleStat17
346 elScaleStat18
347 nlo_sys
348 prefire18
×10
−2 −1 0 1 2
−0.01 0 0.01
Pull +1σ Impact -1σ Impact
(θ̂-θ0)/Δθ
ΔyLQ2