Two-dimensional plots - Summary group 5

February 21, 2022

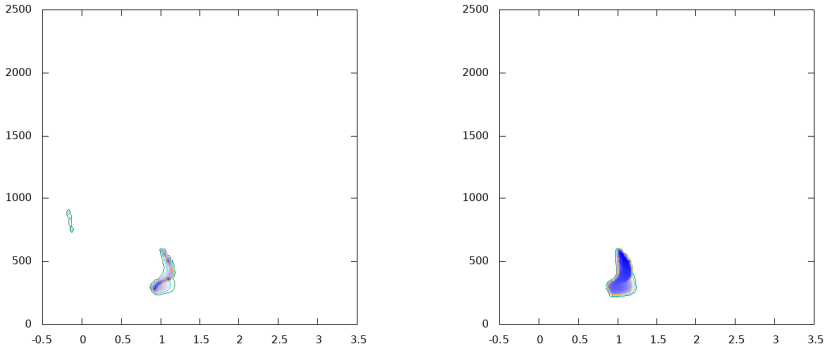
List of Figures

1 m_H GeV vs. $\log_{10}\tan\beta$ 5
2 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\tan\beta$ 5
3 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\tan\beta$ 6
4 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\tan\beta$ 6
5 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\tan\beta$ 7
6 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\tan\beta$ 7
7 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\tan\beta$ 8
8 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\tan\beta$ 8
9 $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$ vs. $\log_{10}\tan\beta$ 9
10 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\tan\beta$ 9
11 $\log_{10}\tan\beta$ vs. m_H GeV 10
12 $\log_{10}|\delta a_\tau|$ vs. m_H GeV 10
13 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. m_H GeV 11
14 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. m_H GeV 11
15 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. m_H GeV 12
16 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. m_H GeV 12
17 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. m_H GeV 13
18 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. m_H GeV 13
19 $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$ vs. m_H GeV 14
20 $\log_{10}\mathrm{BR}(H \to SS)$ vs. m_H GeV 14
21 $\log_{10}\tan\beta$ vs. $\log_{10}|\delta a_\tau|$ 15
22 m_H GeV vs. $\log_{10}|\delta a_\tau|$ 15
23 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}|\delta a_\tau|$ 16
24 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}|\delta a_\tau|$ 16
25 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}|\delta a_\tau|$ 17
26 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}|\delta a_\tau|$ 17
27 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}|\delta a_\tau|$ 18

28 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}|\delta a_\tau|$ 18
29 $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$ vs. $\log_{10}|\delta a_\tau|$ 19
30 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}|\delta a_\tau|$ 19
31 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 20
32 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 20
33 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 21
34 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 21
35 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 22
36 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 22
37 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 23
38 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 23
39 $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 24
40 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$ 24
41 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 25
42 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 25
43 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 26
44 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 26
45 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 27
46 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 27
47 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 28
48 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 28
49 $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 29
50 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ 29
51 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 30
52 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 30
53 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 31
54 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 31
55 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 32
56 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 32
57 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 33
58 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 33
59 $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 34
60 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ 34
61 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 35
62 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 35
63 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 36
64 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 36
65 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 37
66 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 37
67 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 38
68 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 38

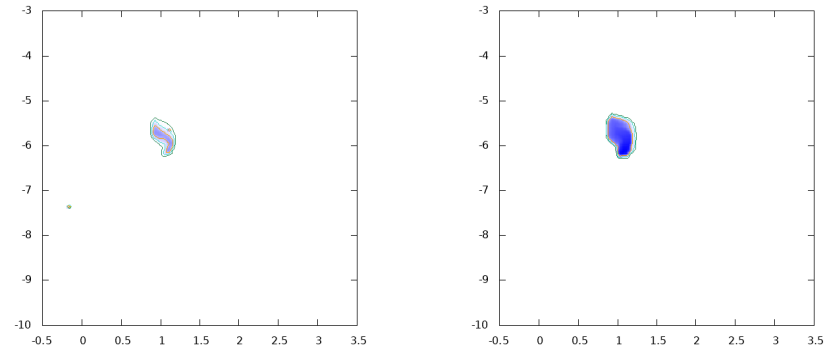
69 $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 39
70 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ 39
71 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 40
72 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 40
73 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 41
74 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 41
75 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 42
76 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 42
77 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 43
78 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 43
79 $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 44
80 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ 44
81 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 45
82 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 45
83 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 46
84 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 46
85 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 47
86 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 47
87 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 48
88 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 48
89 $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 49
90 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$ 49
91 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 50
92 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 50
93 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 51
94 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 51
95 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 52
96 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 52
97 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 53
98 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 53
99 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 54
100 $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ 54
101 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 55
102 m_H GeV vs. $\log_{10}\mathrm{BR}(H \to SS)$ 55
103 $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 56
104 $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 56
105 $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 57
106 $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 57
107 $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 58
108 $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 58
109 $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 59

110 $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to SS)$ 59



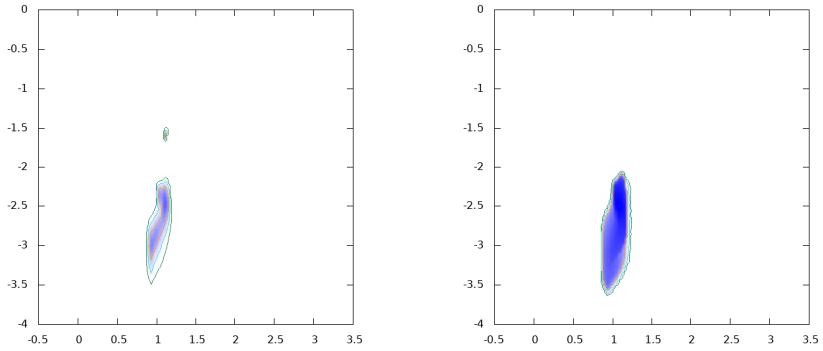
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 1: m_H GeV vs. $\log_{10}\tan\beta$



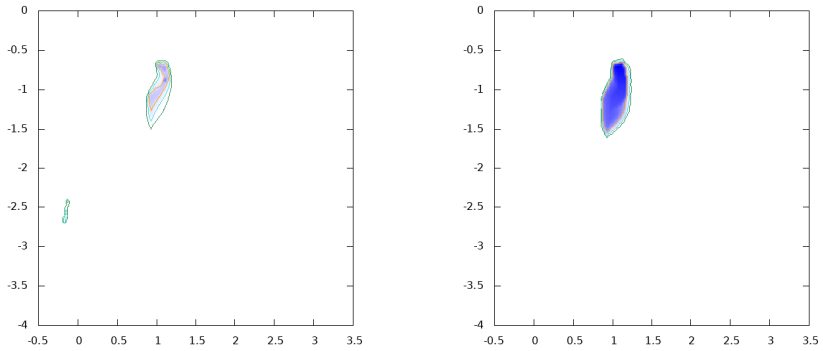
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 2: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\tan\beta$



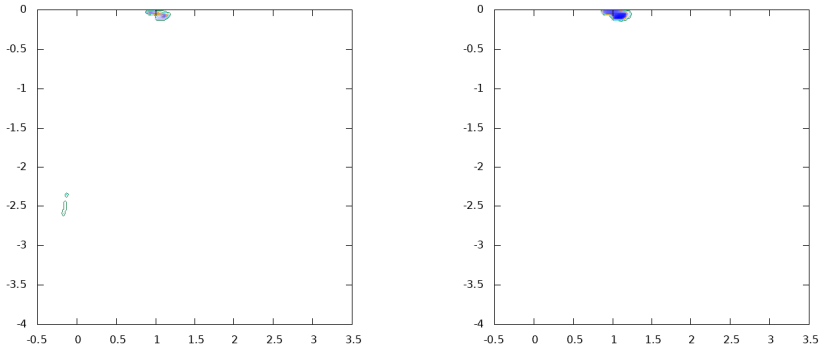
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 3: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\tan\beta$



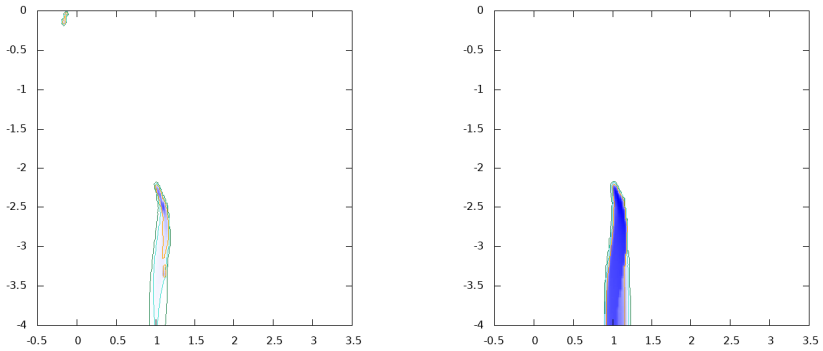
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 4: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\tan\beta$



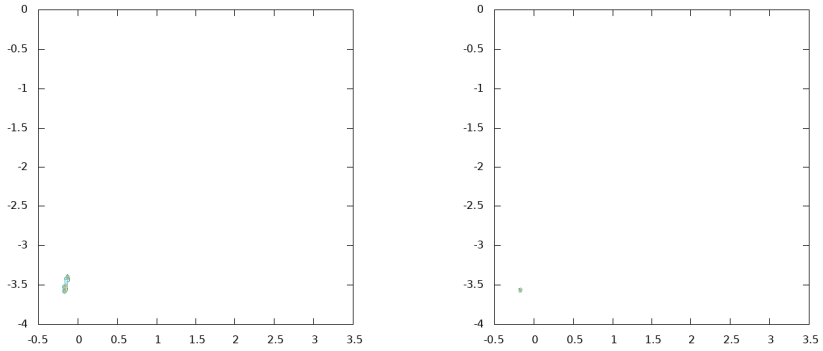
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 5: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\tan\beta$



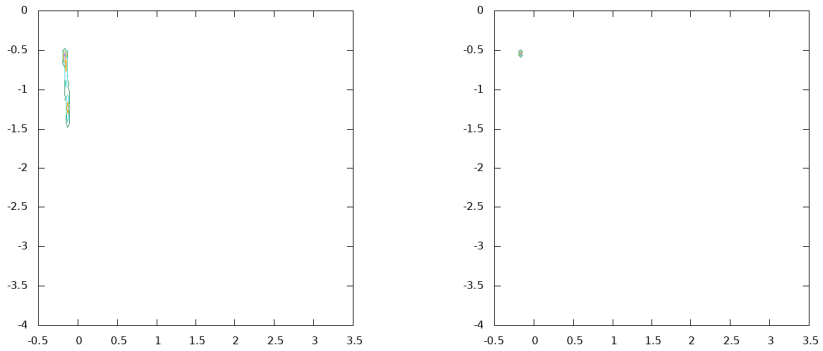
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 6: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\tan\beta$



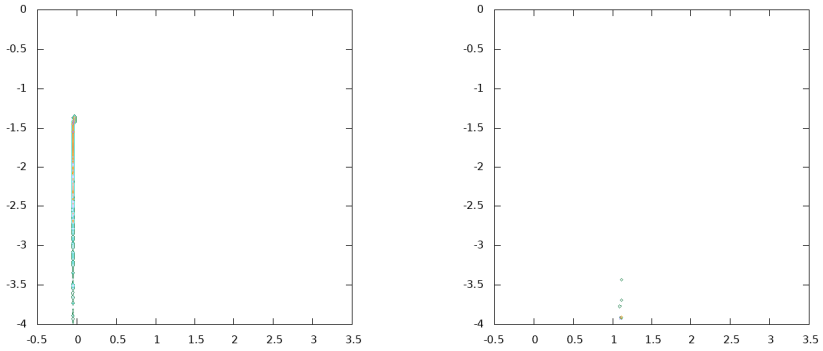
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 7: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\tan\beta$



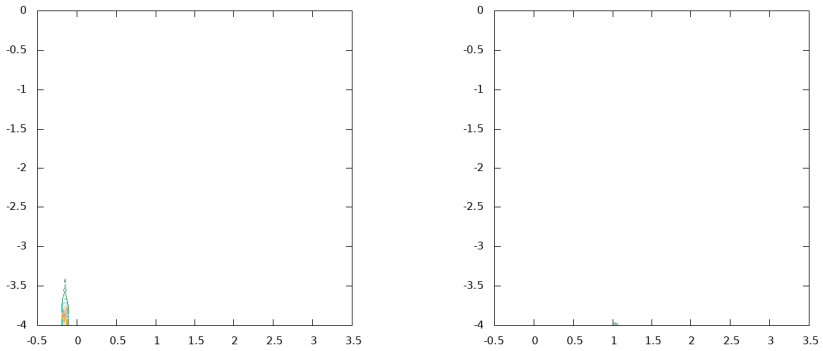
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 8: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\tan\beta$



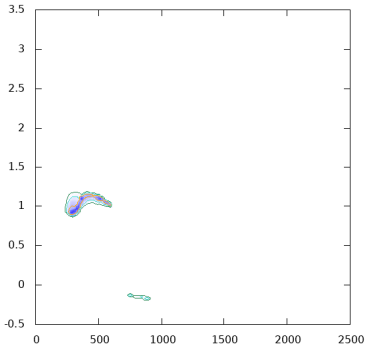
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 9: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\tan\beta$

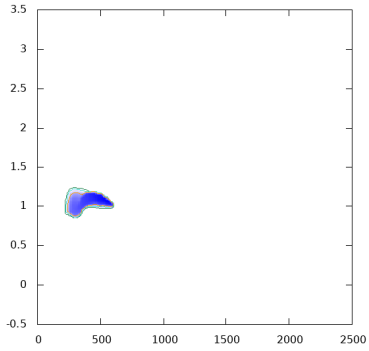


(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 10: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\tan\beta$

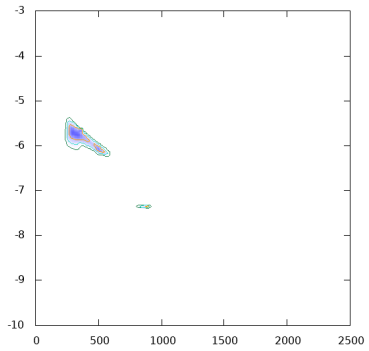


(a) PDF

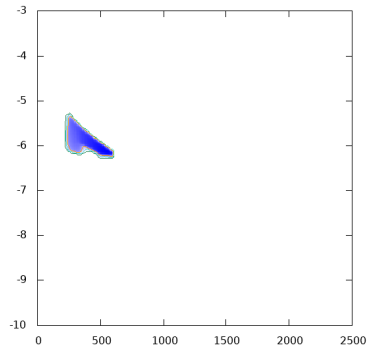


(b) $-2\ln(\mathcal{L})$

Figure 11: $\log_{10}\tan\beta$ vs. m_H GeV

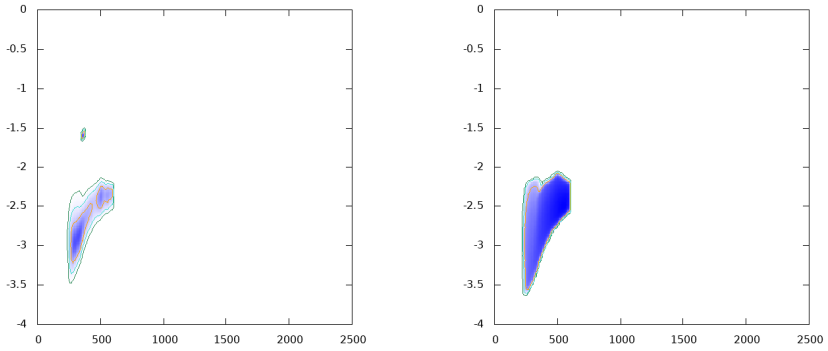


(a) PDF



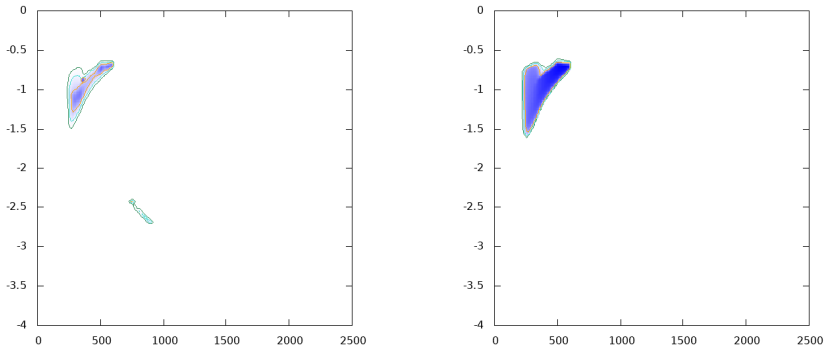
(b) $-2\ln(\mathcal{L})$

Figure 12: $\log_{10}|\delta a_\tau|$ vs. m_H GeV



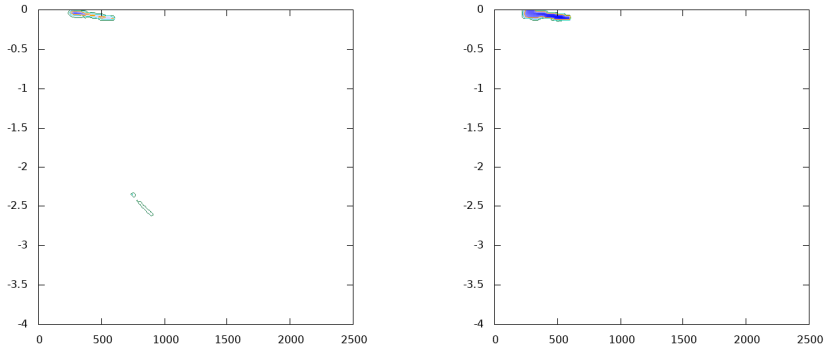
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 13: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. m_H GeV



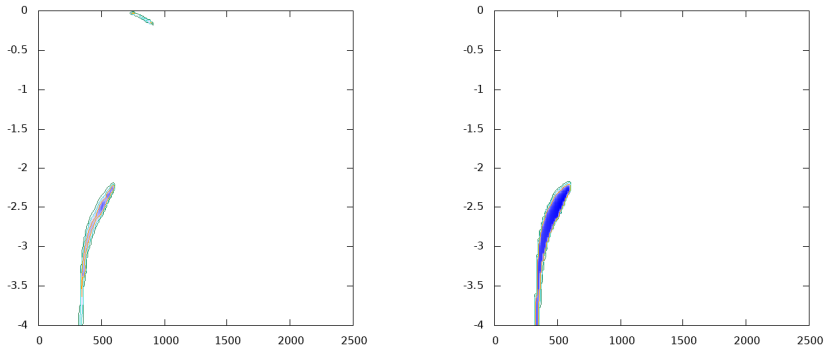
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 14: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. m_H GeV



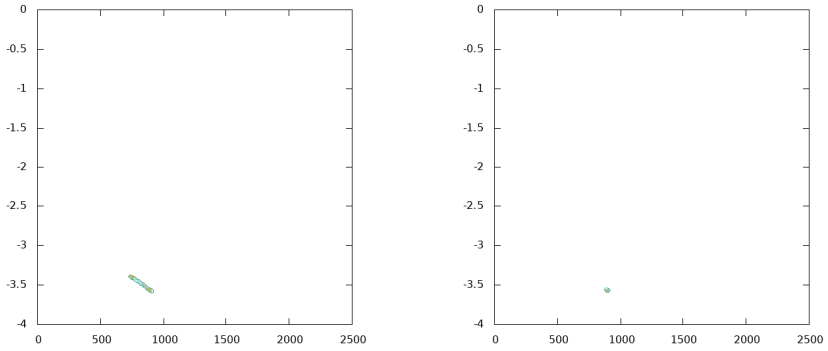
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 15: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. m_H GeV



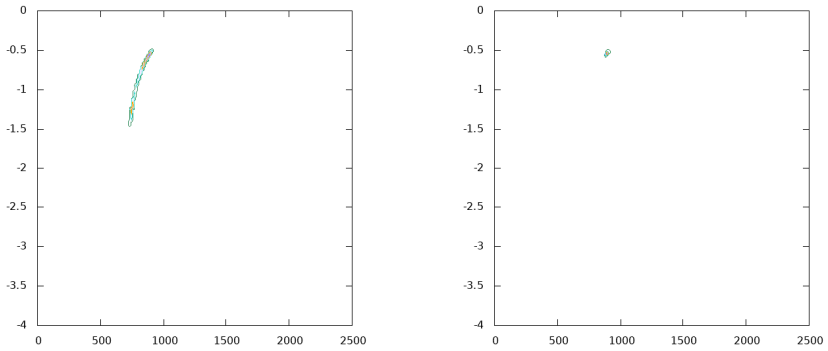
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 16: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. m_H GeV



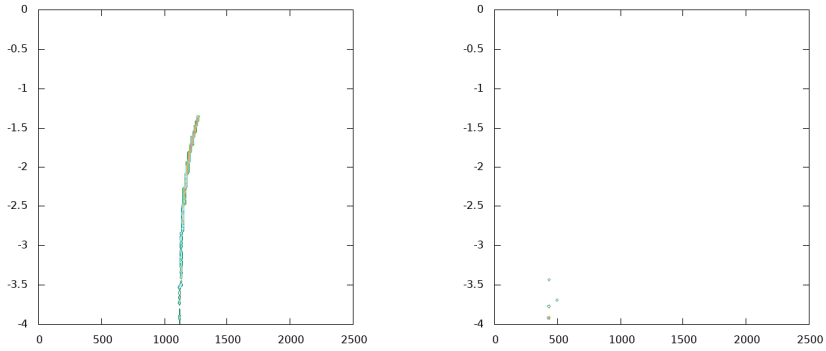
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 17: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. m_H GeV



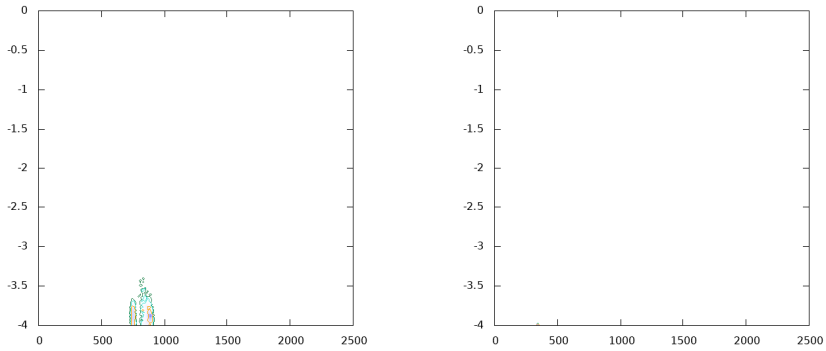
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 18: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. m_H GeV



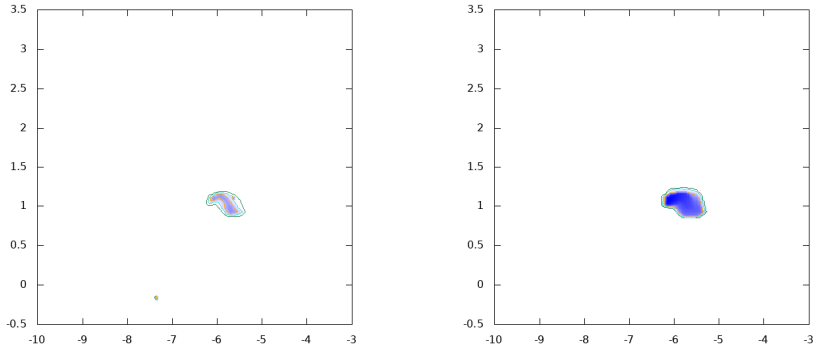
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 19: $\log_{10}\text{BR}(H \to H^{\pm}W^{\mp})$ vs. m_H GeV



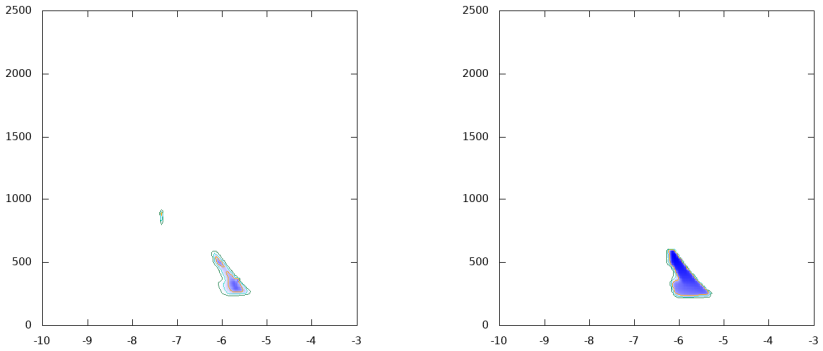
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 20: $\log_{10}\text{BR}(H \to SS)$ vs. m_H GeV



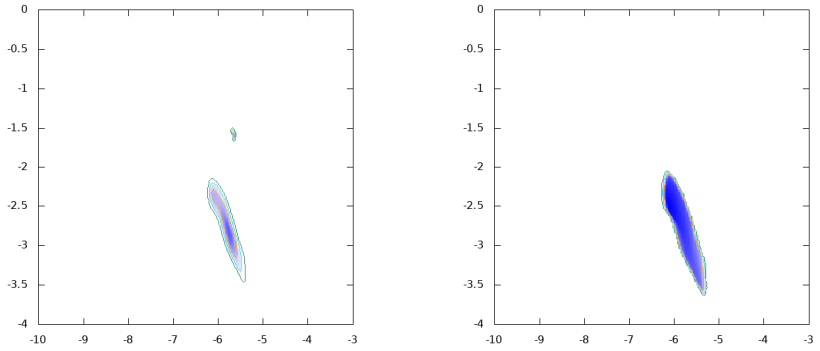
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 21: $\log_{10}\tan\beta$ vs. $\log_{10}|\delta a_\tau|$



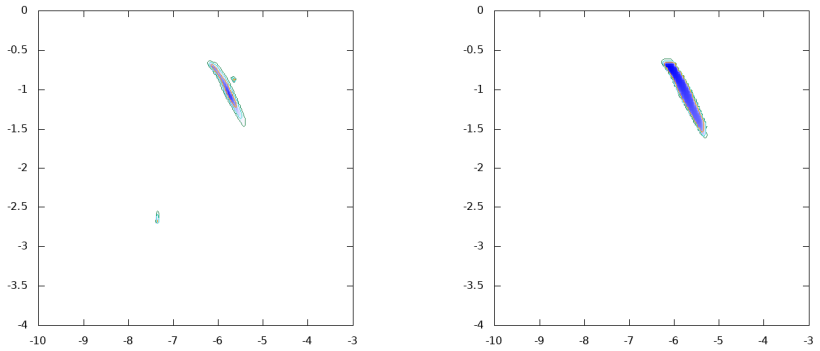
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 22: m_H GeV vs. $\log_{10}|\delta a_\tau|$



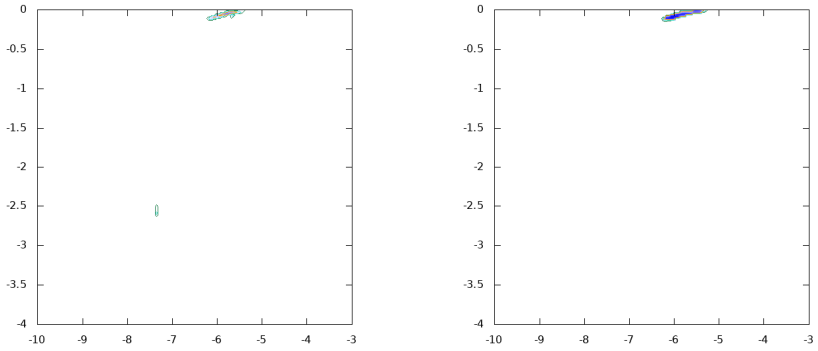
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 23: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}|\delta a_\tau|$



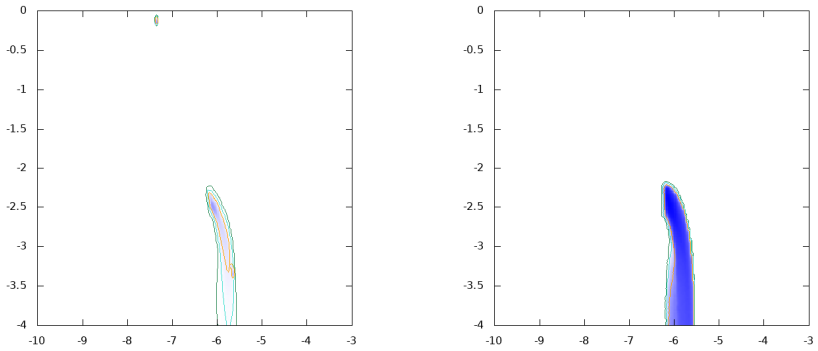
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 24: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}|\delta a_\tau|$



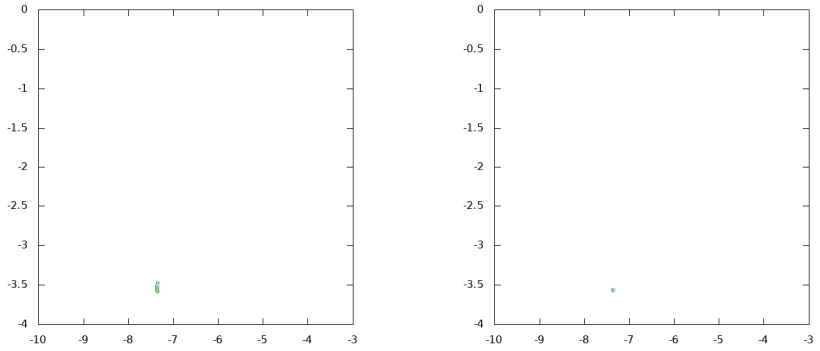
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 25: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}|\delta a_\tau|$



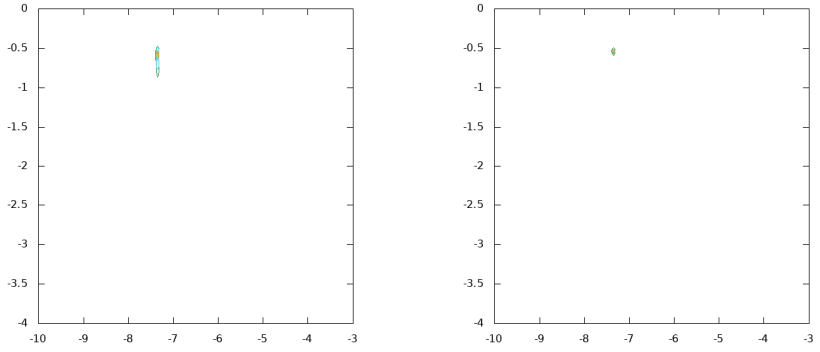
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 26: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}|\delta a_\tau|$



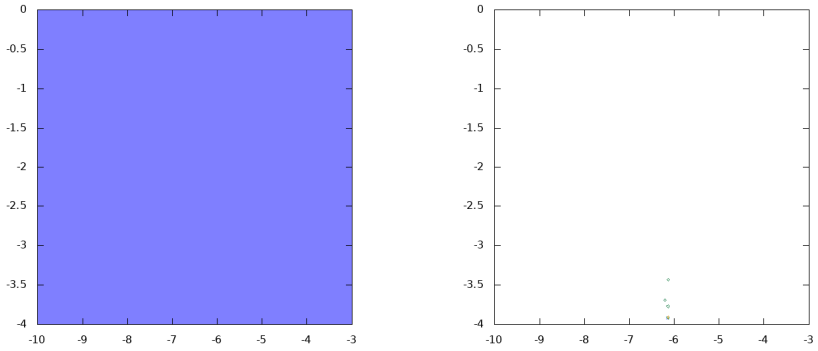
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 27: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}|\delta a_\tau|$



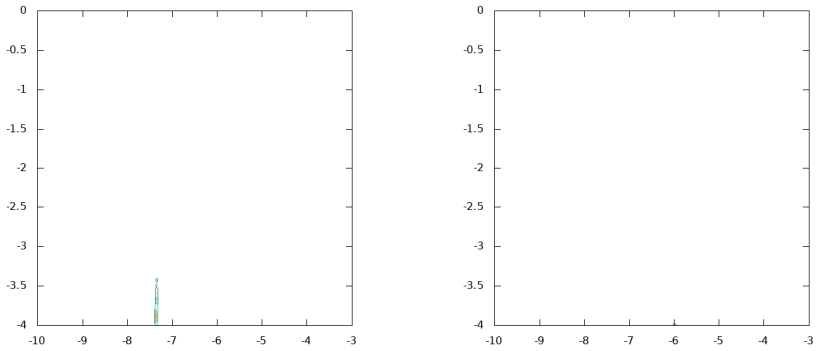
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 28: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}|\delta a_\tau|$



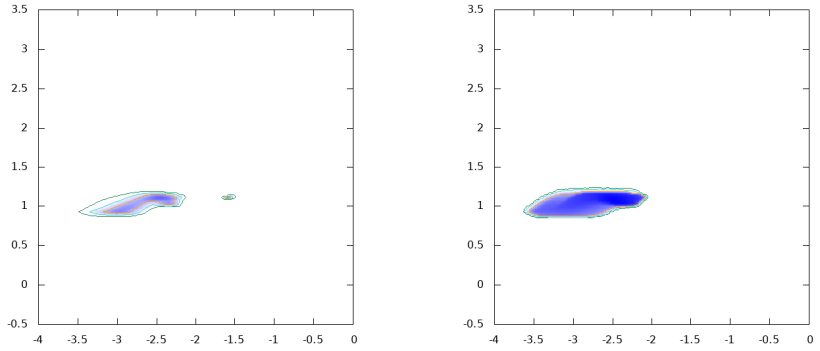
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 29: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}|\delta a_\tau|$



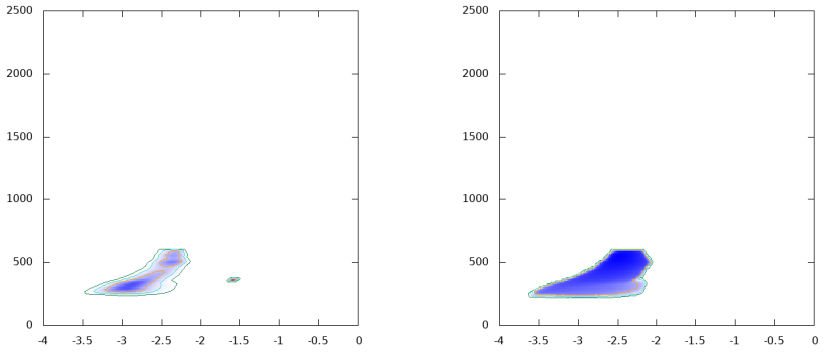
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 30: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}|\delta a_\tau|$



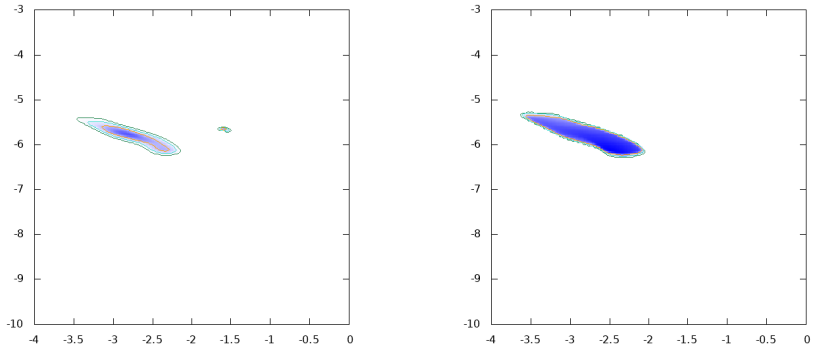
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 31: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



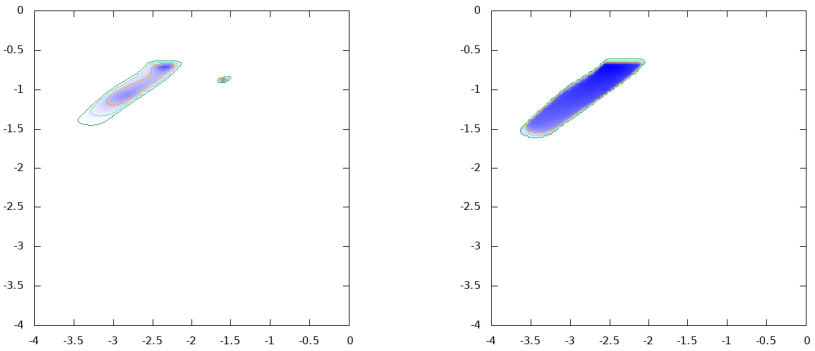
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 32: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



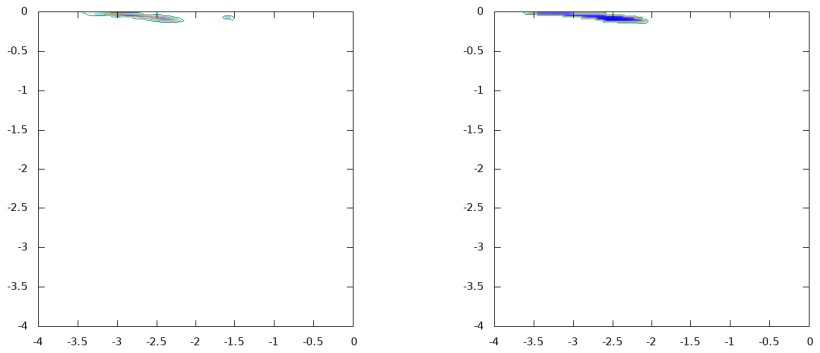
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 33: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



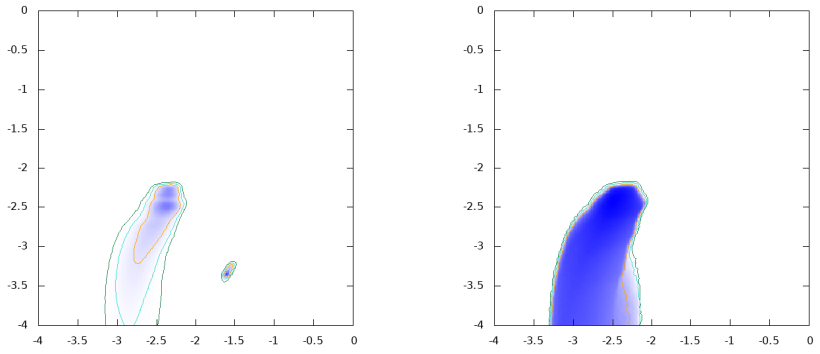
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 34: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



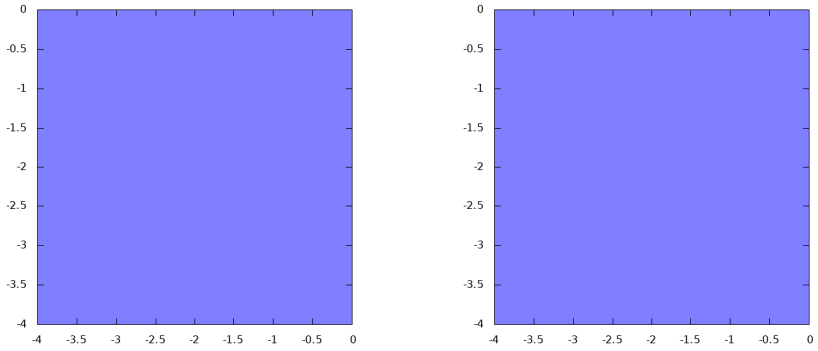
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 35: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



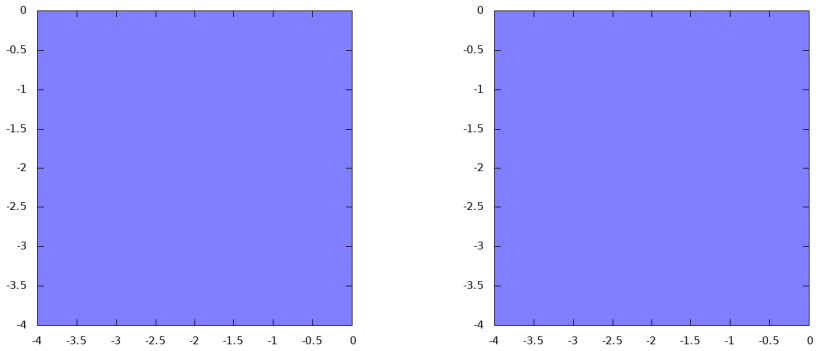
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 36: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



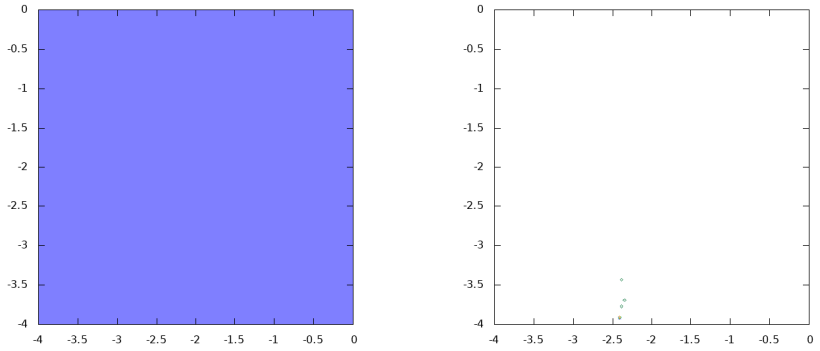
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 37: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



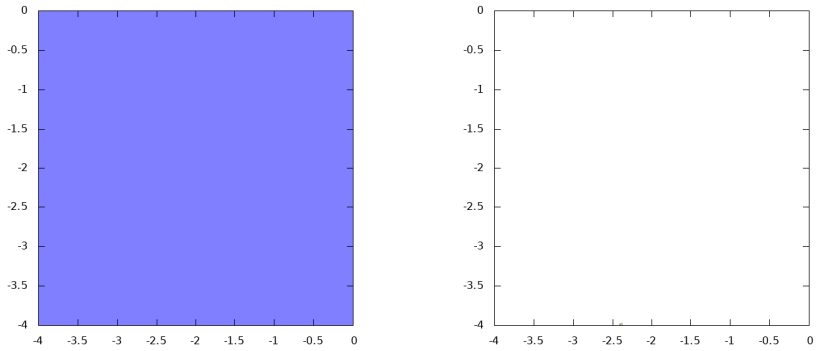
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 38: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to e^+e^-)$



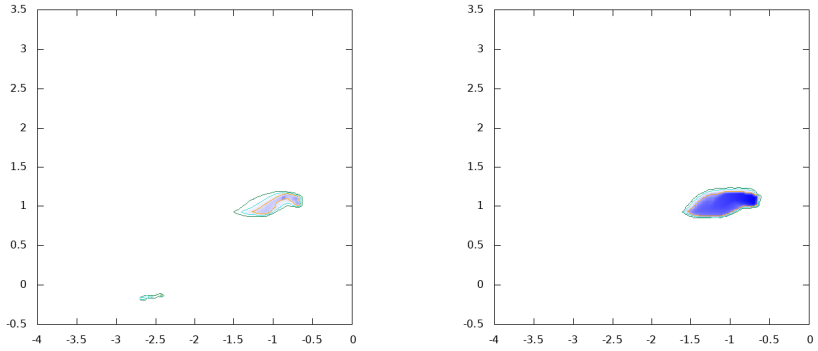
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 39: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to e^{+}e^{-})$



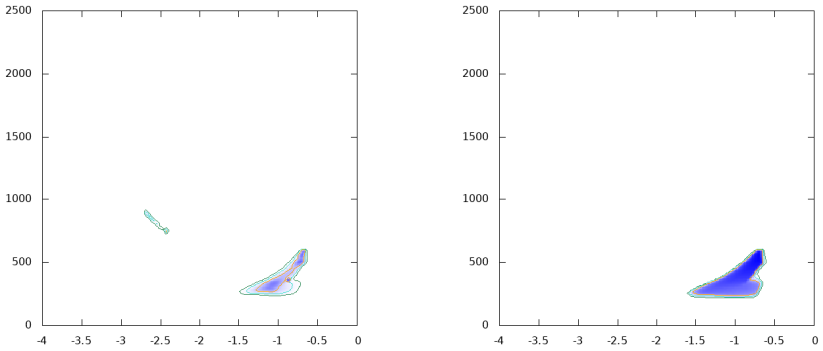
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 40: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to e^{+}e^{-})$



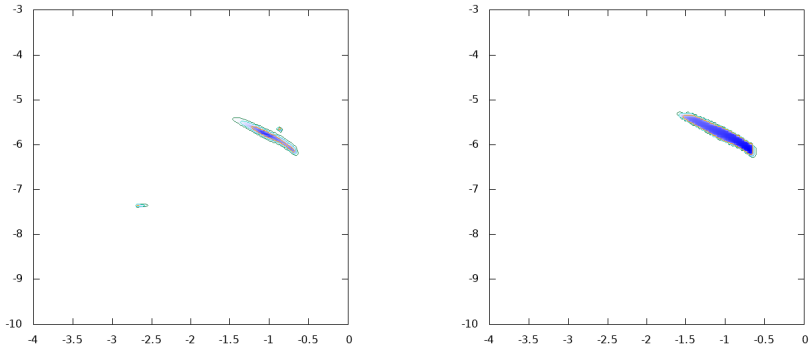
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 41: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



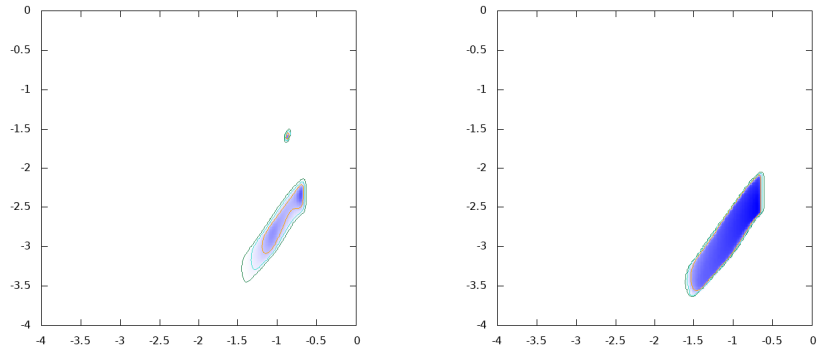
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 42: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



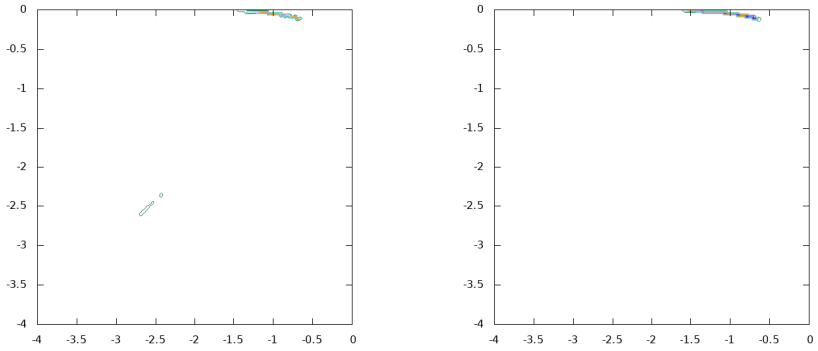
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 43: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



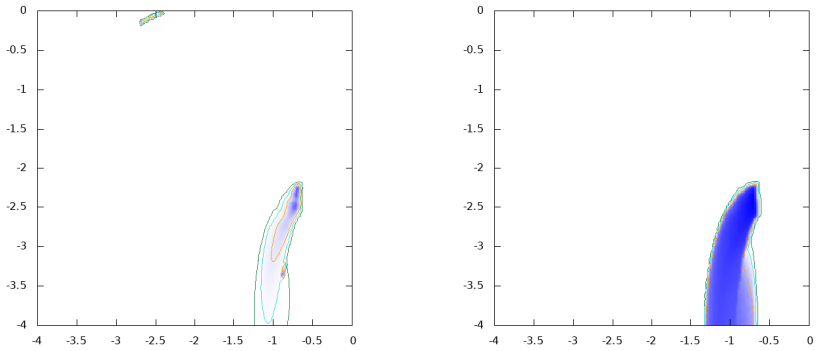
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 44: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



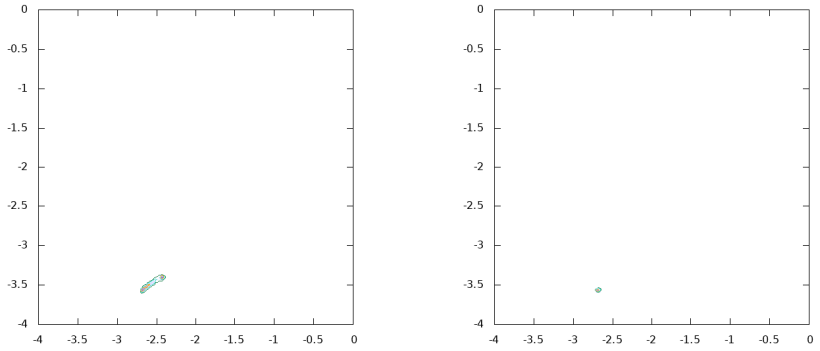
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 45: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



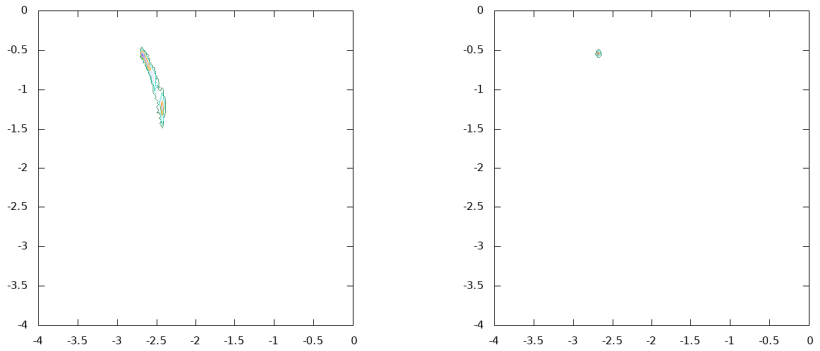
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 46: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



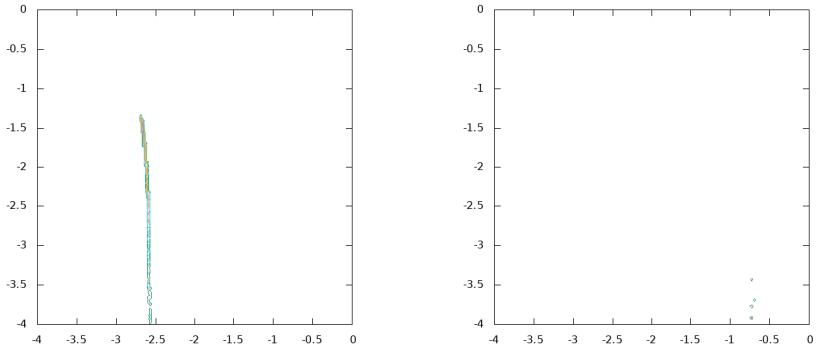
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 47: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



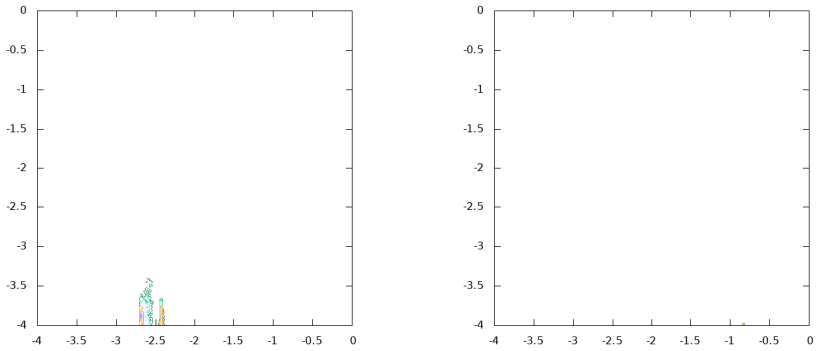
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 48: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$



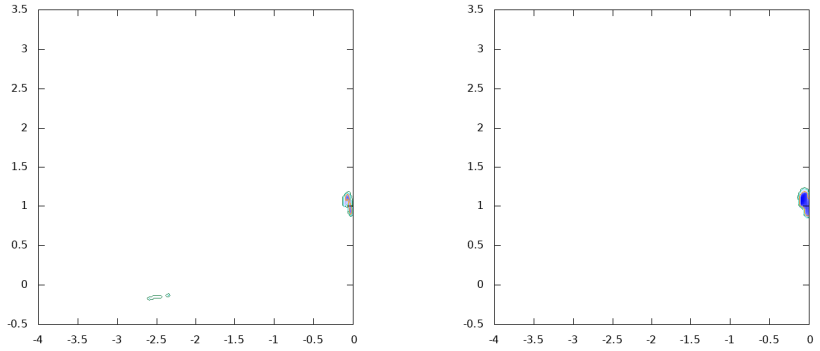
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 49: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to \mu^{+}\mu^{-})$



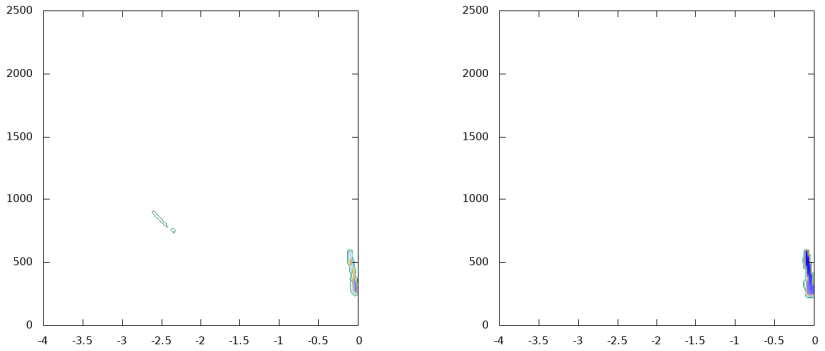
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 50: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \mu^{+}\mu^{-})$



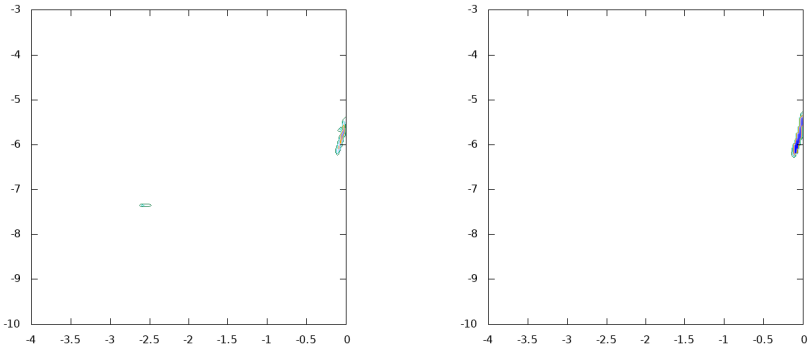
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 51: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



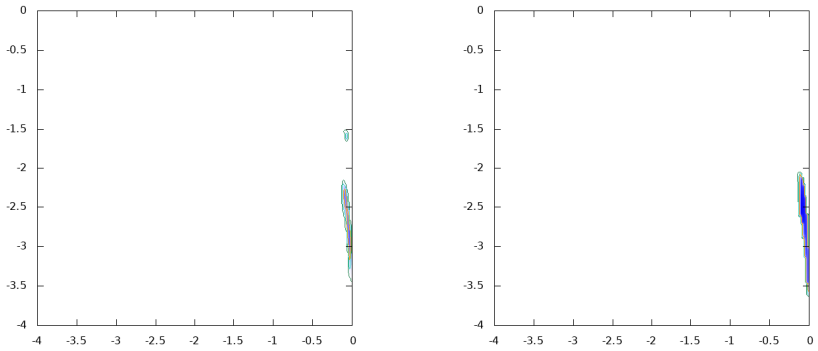
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 52: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



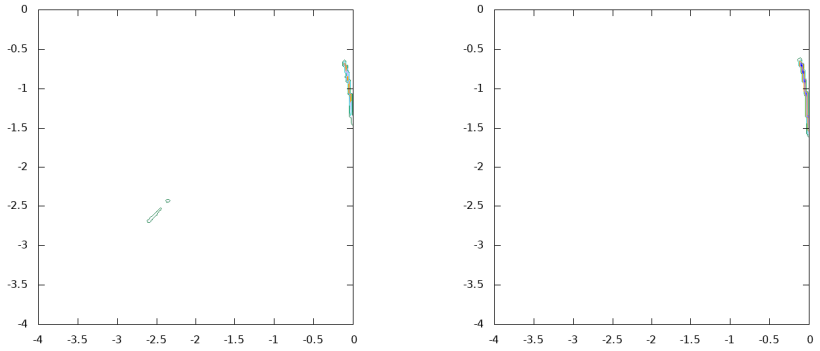
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 53: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



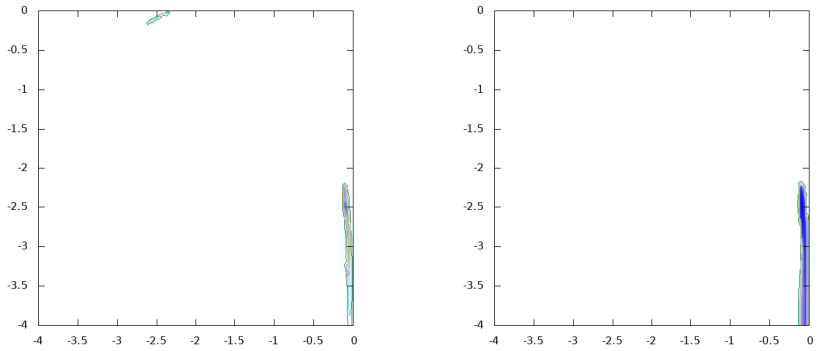
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 54: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



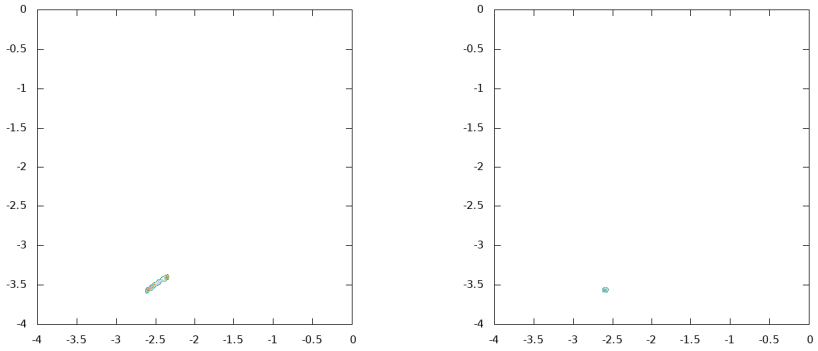
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 55: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



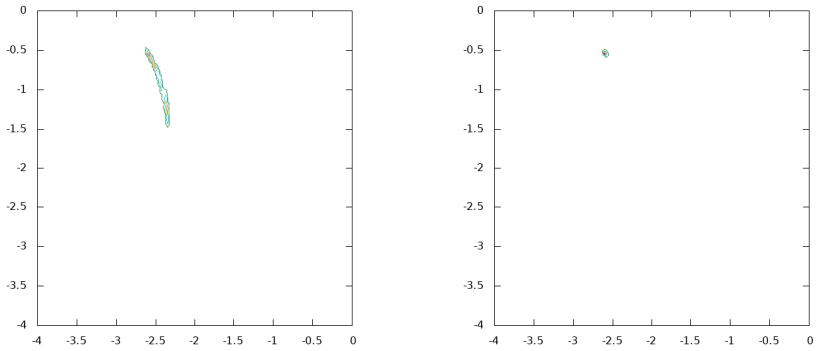
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 56: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



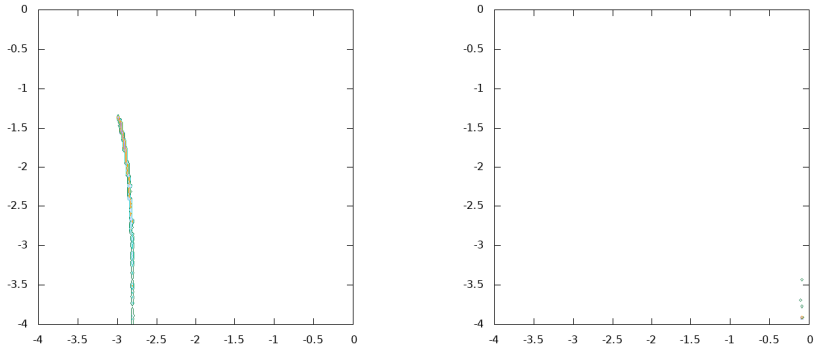
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 57: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



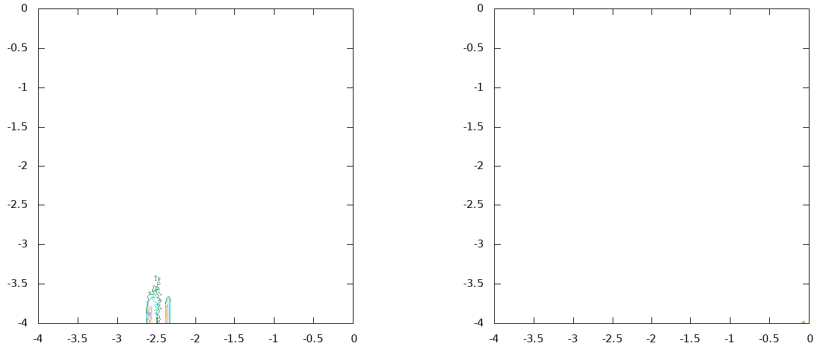
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 58: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$



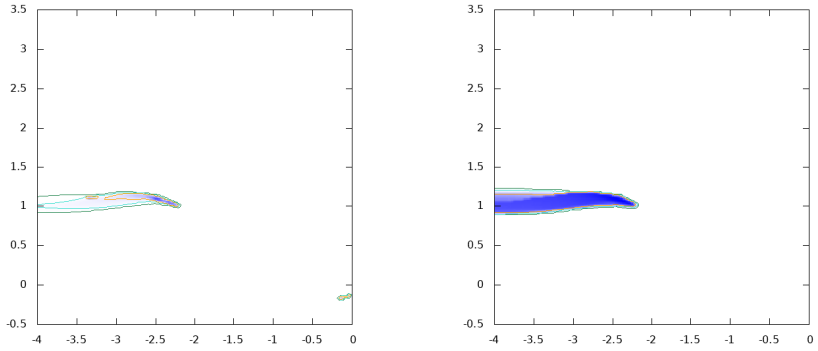
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 59: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to \tau^{+}\tau^{-})$



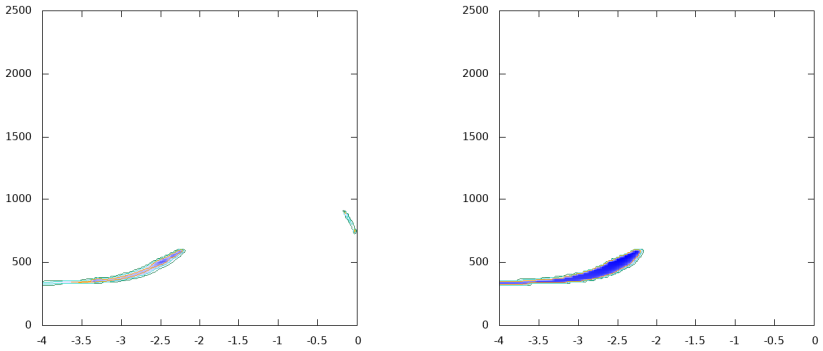
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 60: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \tau^{+}\tau^{-})$



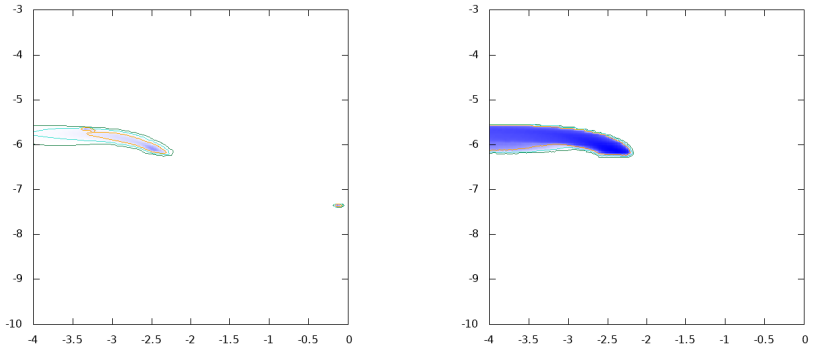
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 61: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



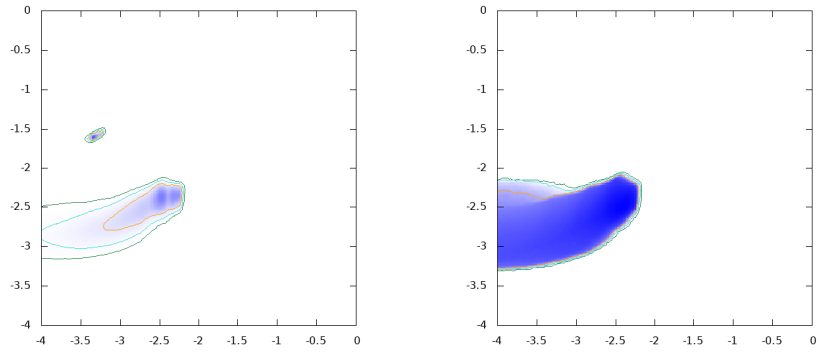
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 62: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



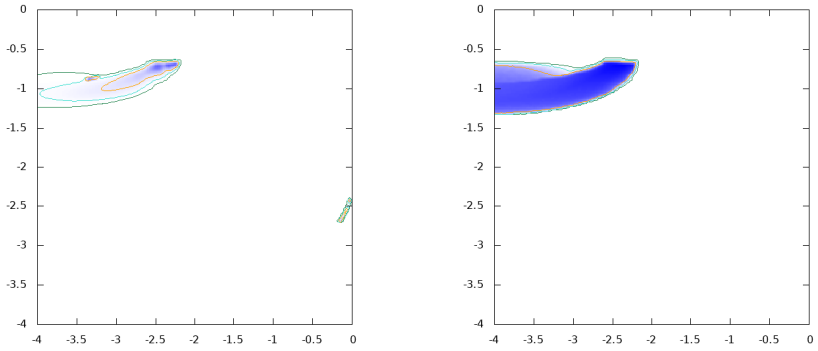
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 63: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



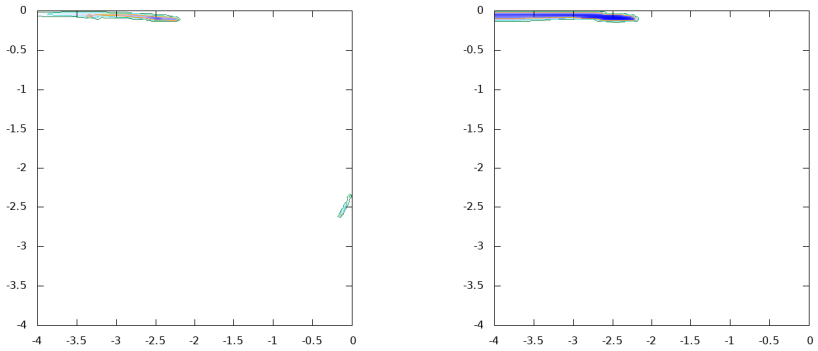
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 64: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



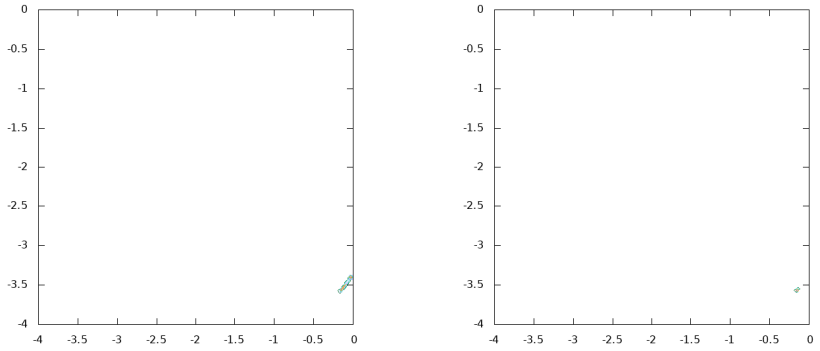
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 65: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



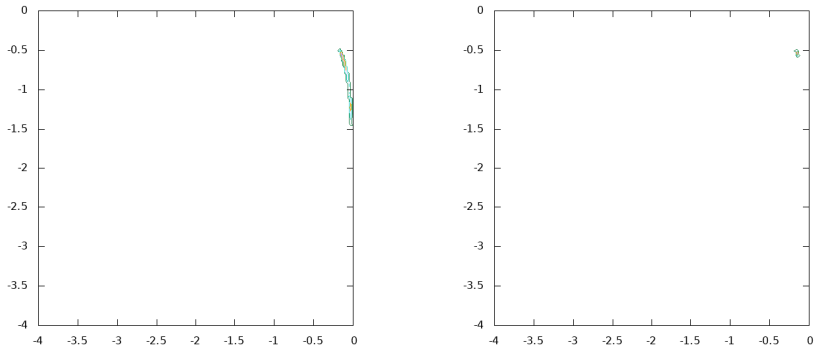
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 66: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



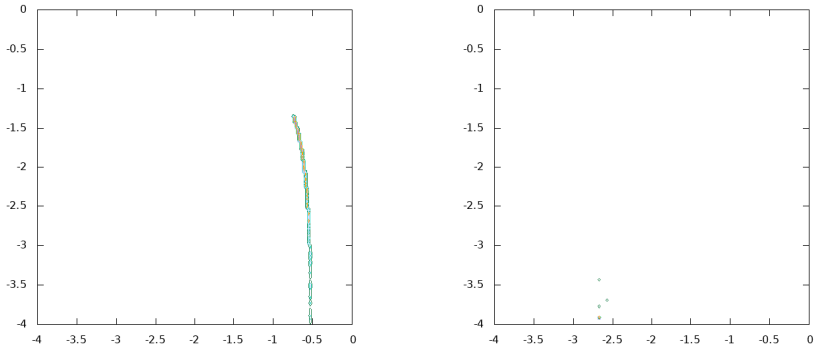
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 67: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



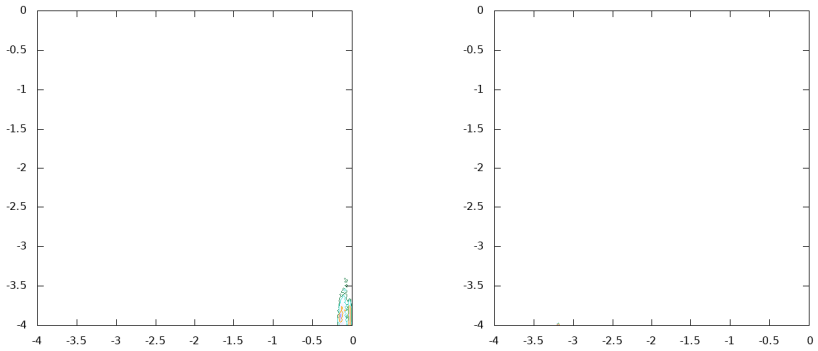
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 68: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$



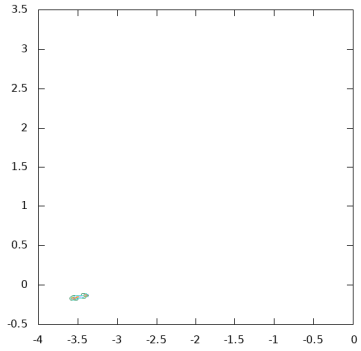
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 69: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$

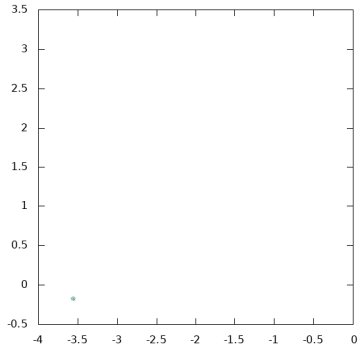


(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 70: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{t}t)$

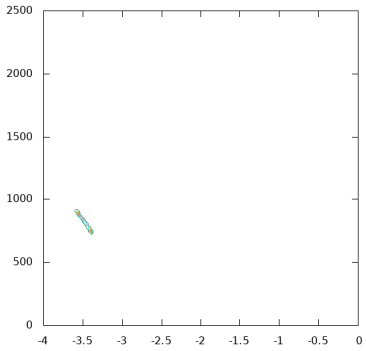


(a) PDF

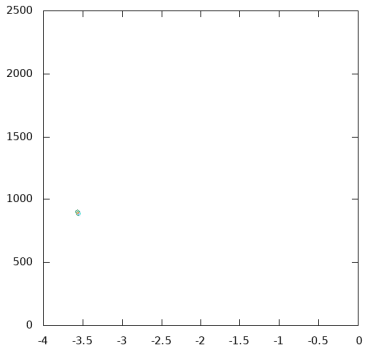


(b) $-2\ln(\mathcal{L})$

Figure 71: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$

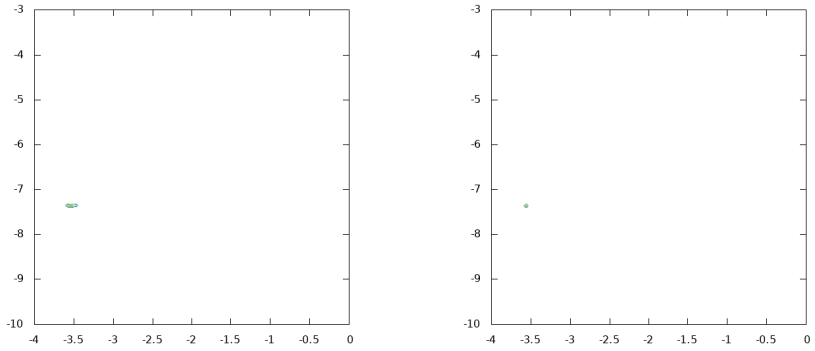


(a) PDF



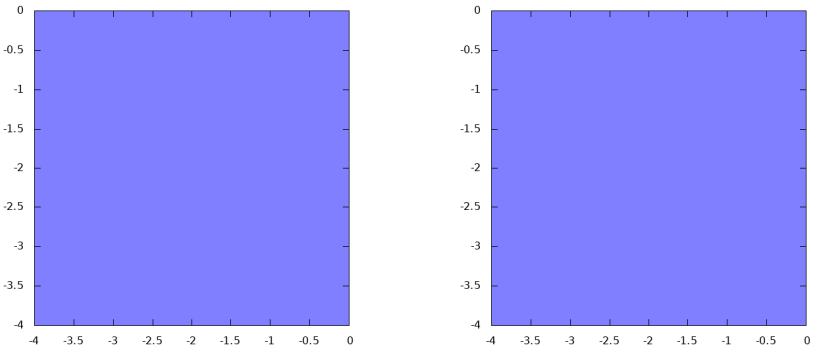
(b) $-2\ln(\mathcal{L})$

Figure 72: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



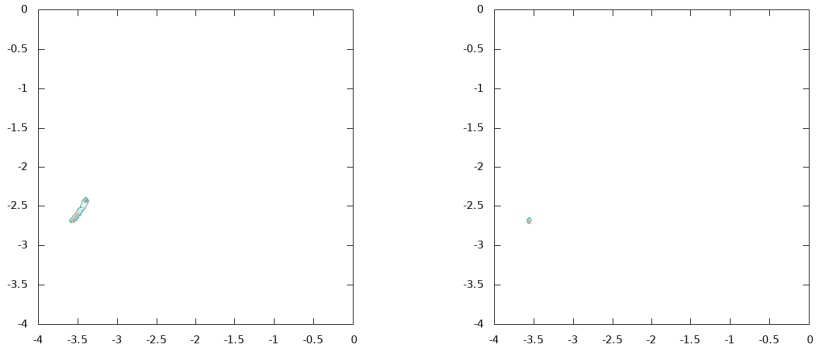
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 73: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



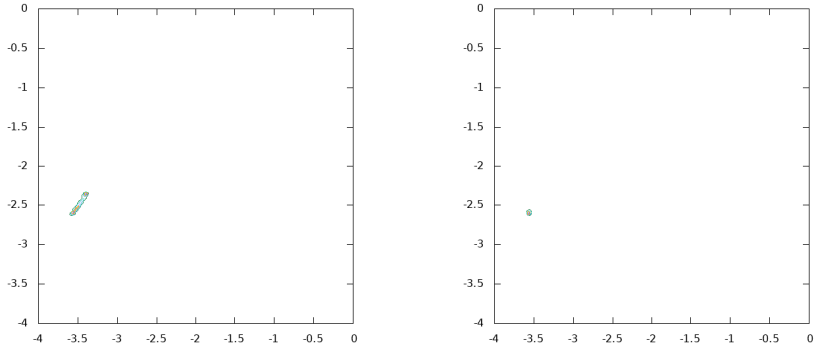
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 74: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



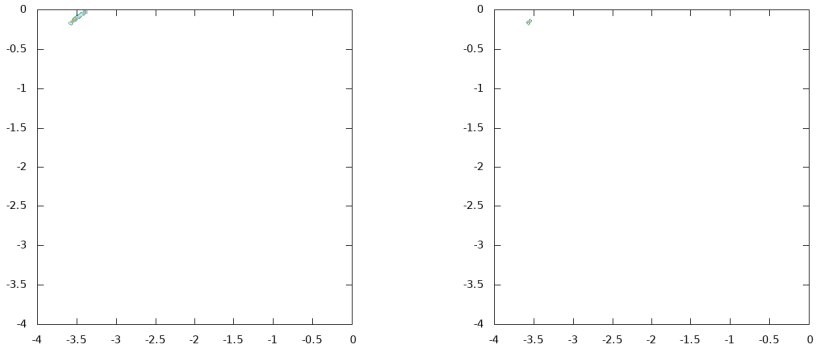
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 75: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



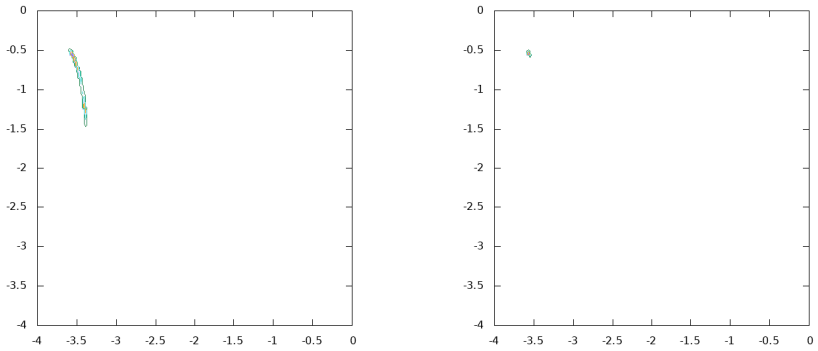
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 76: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



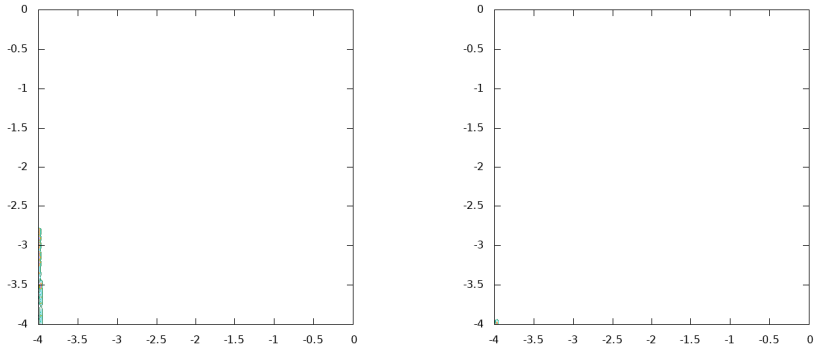
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 77: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



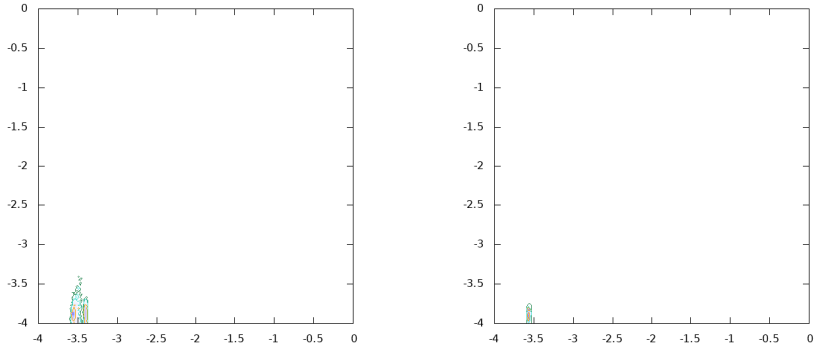
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 78: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



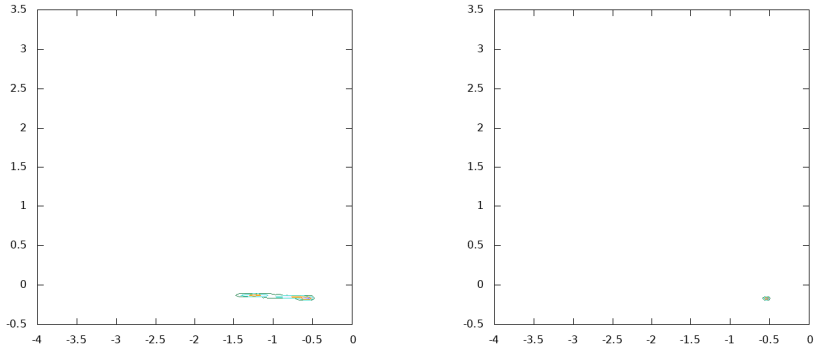
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 79: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



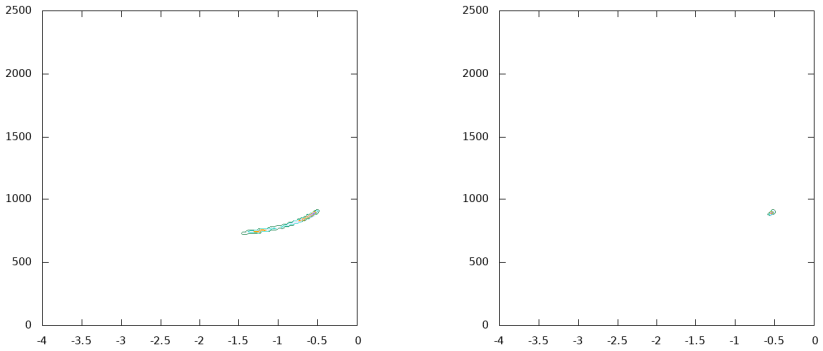
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 80: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to \bar{b}b)$



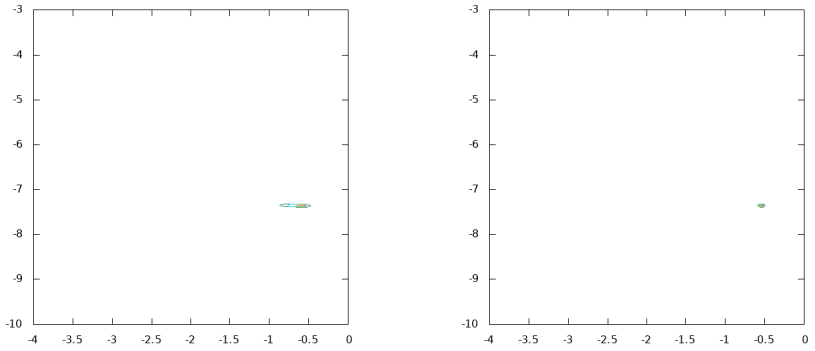
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 81: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



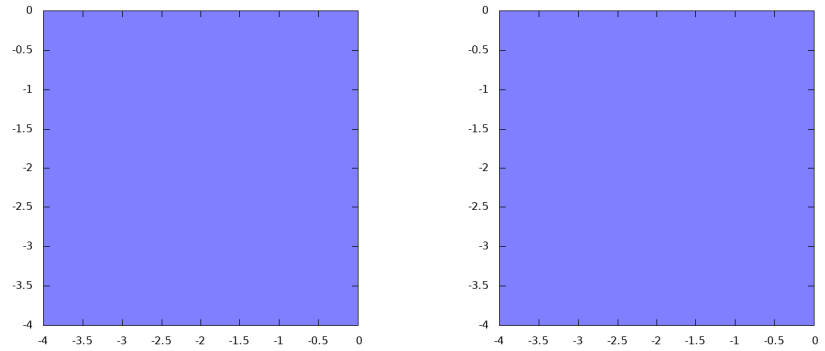
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 82: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to AZ)$



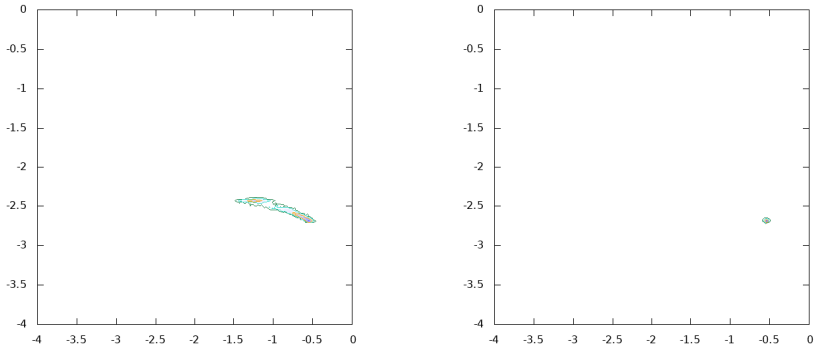
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 83: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



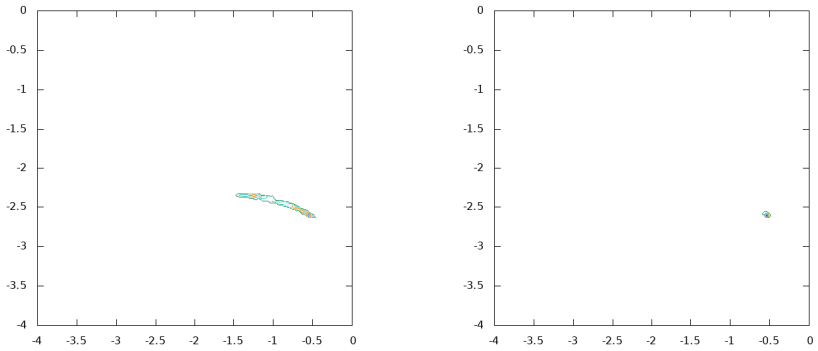
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 84: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



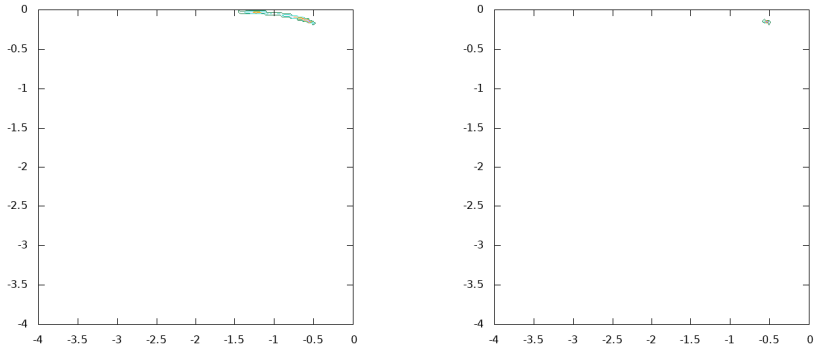
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 85: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



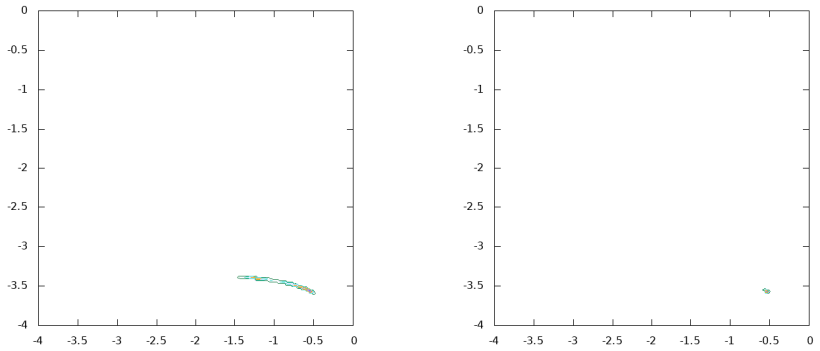
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 86: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



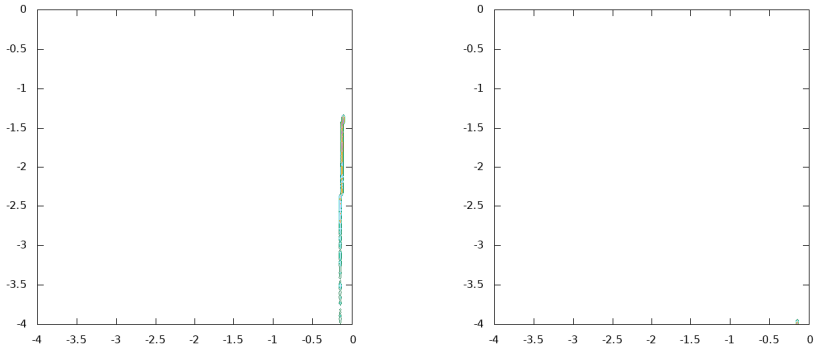
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 87: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



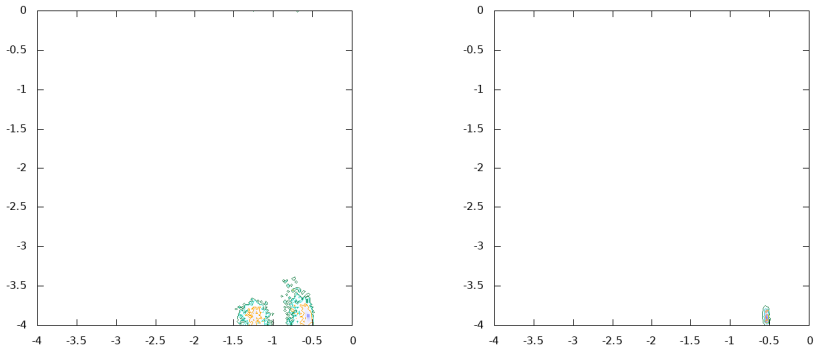
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 88: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$



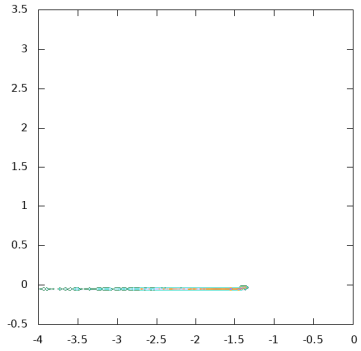
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 89: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$

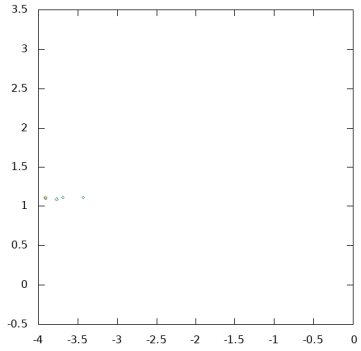


(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 90: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to AZ)$

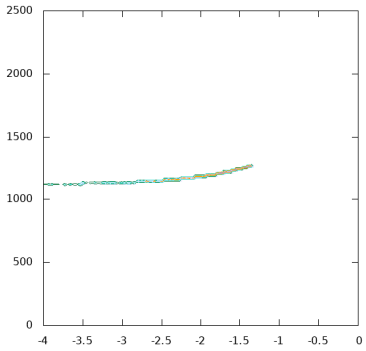


(a) PDF

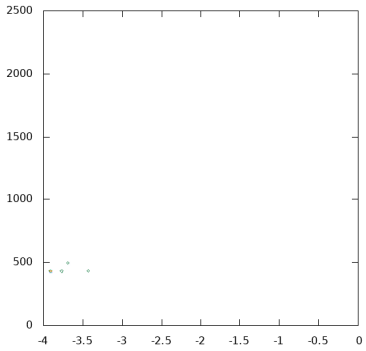


(b) $-2\ln(\mathcal{L})$

Figure 91: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$

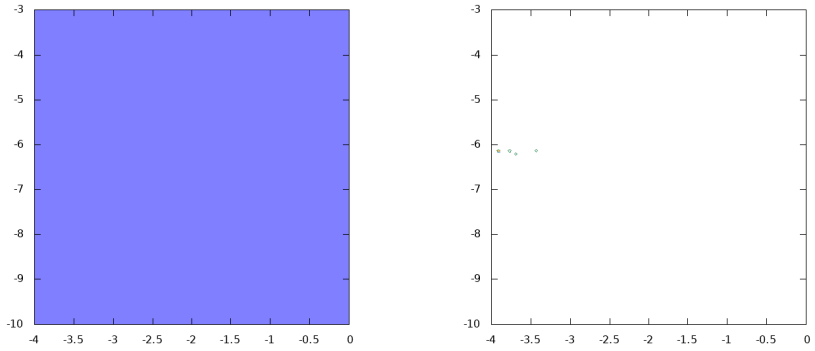


(a) PDF



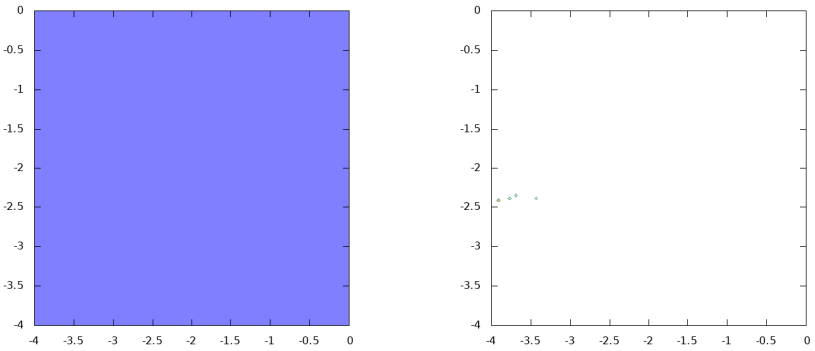
(b) $-2\ln(\mathcal{L})$

Figure 92: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



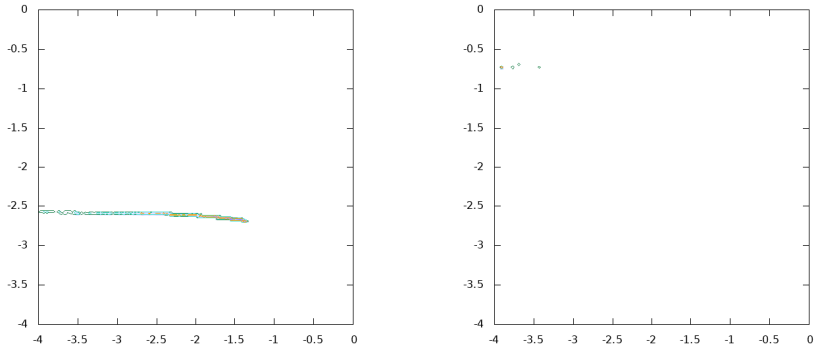
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 93: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



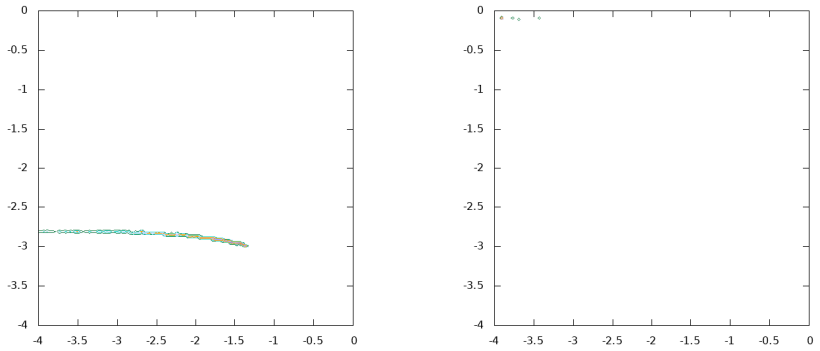
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 94: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



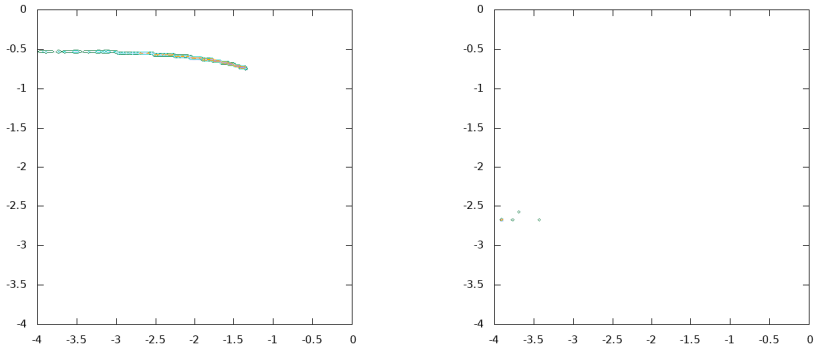
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 95: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$



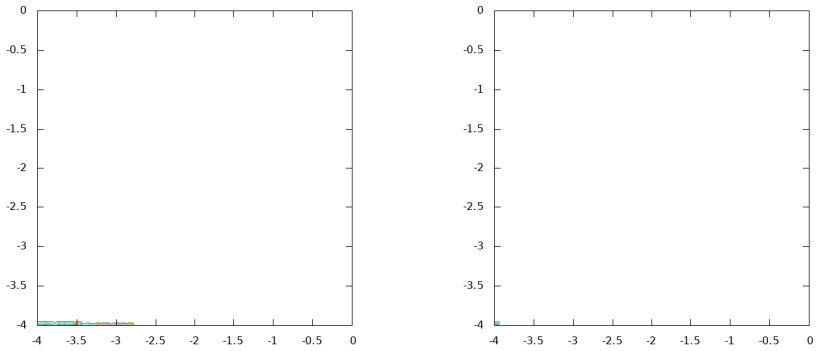
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 96: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to H^\pm W^\mp)$



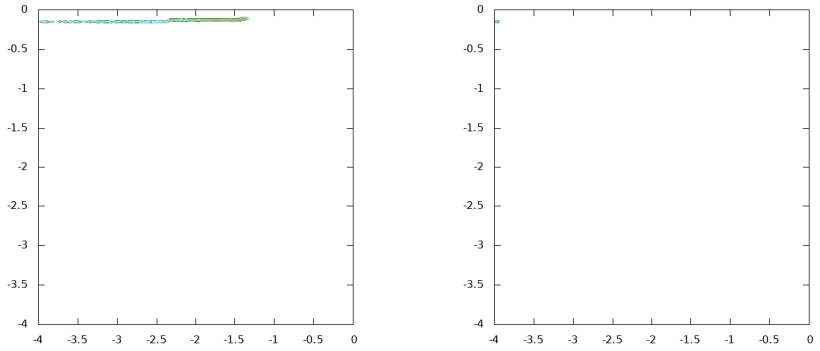
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 97: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



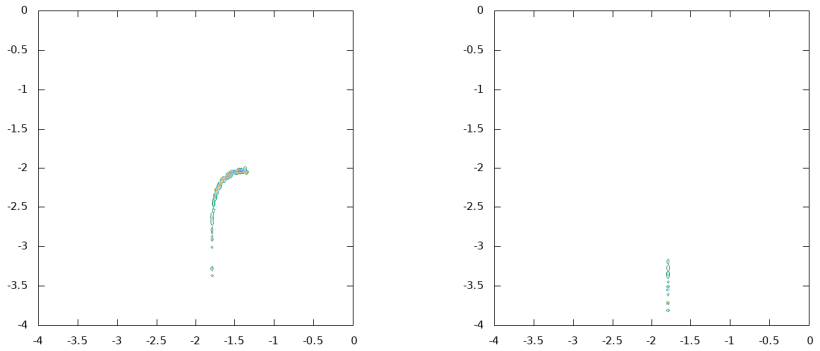
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 98: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



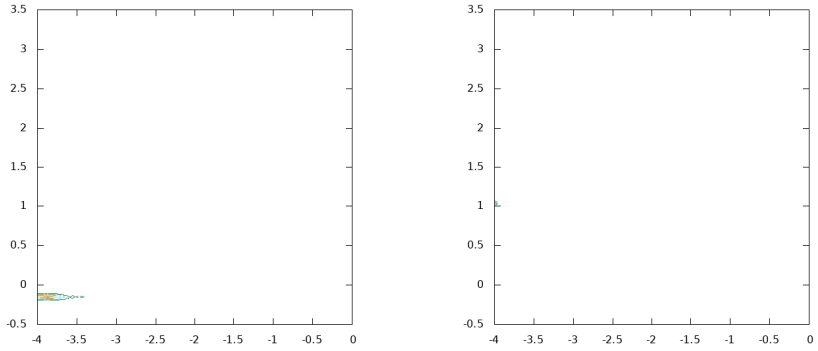
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 99: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



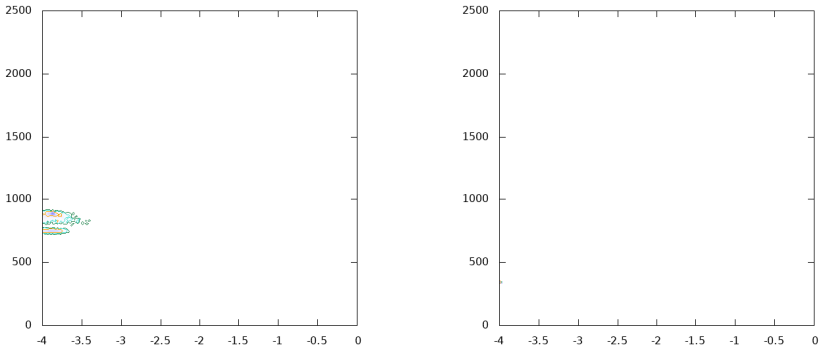
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 100: $\log_{10}\mathrm{BR}(H \to SS)$ vs. $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$



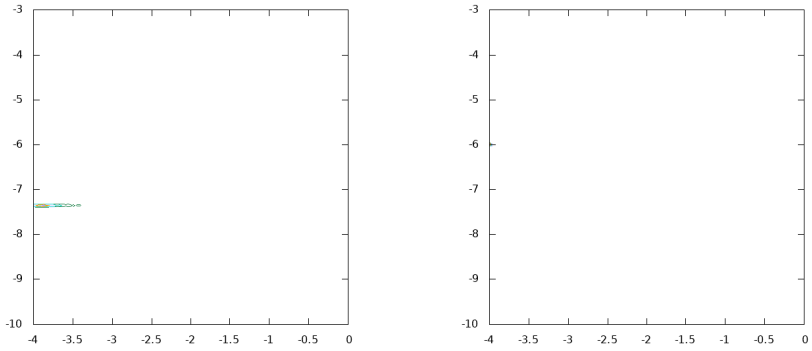
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 101: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



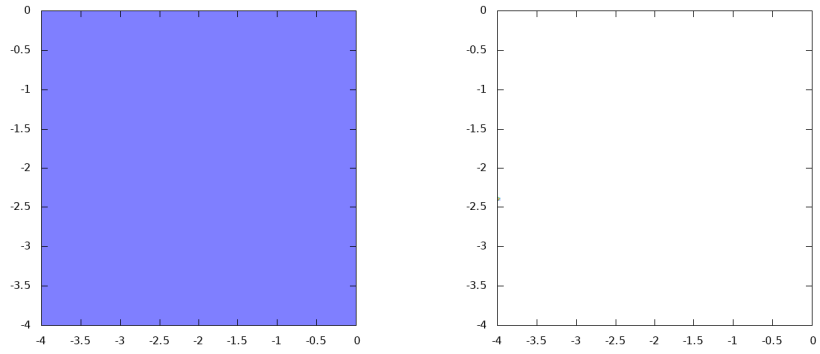
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 102: m_H GeV vs. $\log_{10}\mathrm{BR}(H \to SS)$



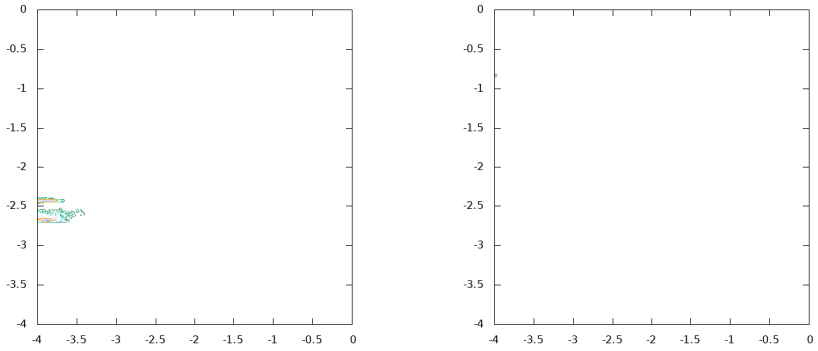
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 103: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



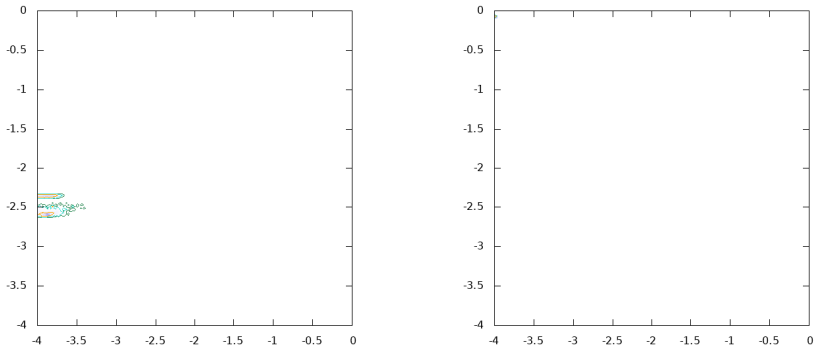
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 104: $\log_{10}\mathrm{BR}(H \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



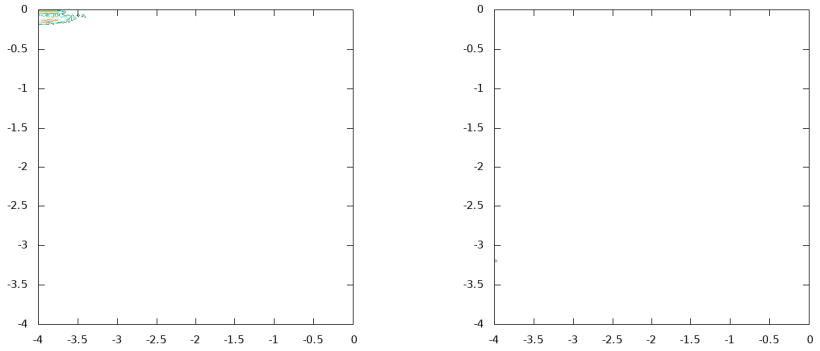
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 105: $\log_{10}\mathrm{BR}(H \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



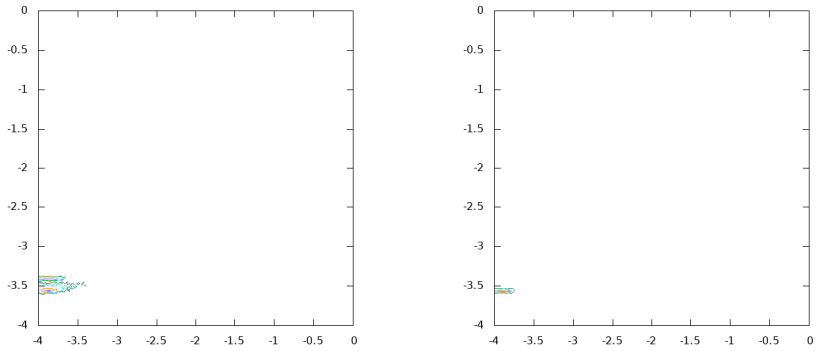
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 106: $\log_{10}\mathrm{BR}(H \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



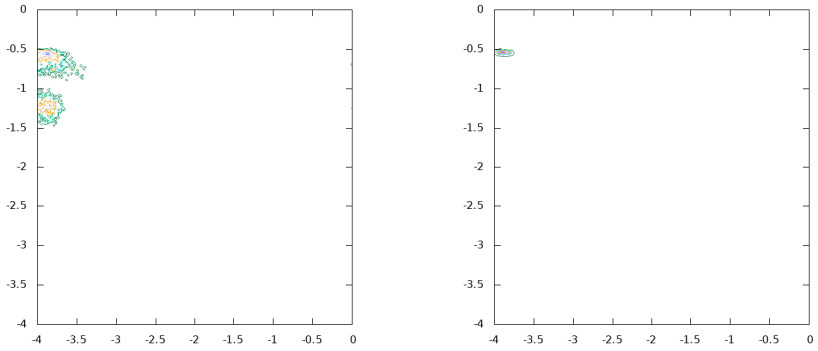
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 107: $\log_{10}\mathrm{BR}(H \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



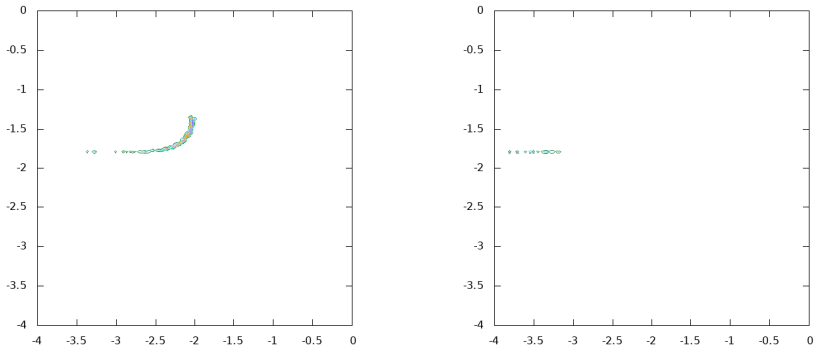
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 108: $\log_{10}\mathrm{BR}(H \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 109: $\log_{10}\mathrm{BR}(H \to AZ)$ vs. $\log_{10}\mathrm{BR}(H \to SS)$



(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 110: $\log_{10}\mathrm{BR}(H \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(H \to SS)$