Two-dimensional plots - Summary group 4

February 21, 2022

List of Figures

1 $m_{H^\pm}$ GeV vs. $\log_{10}\tan\beta$ 3
2 $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $\log_{10}\tan\beta$ 3
3 $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ vs. $\log_{10}\tan\beta$ 4
4 $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ vs. $\log_{10}\tan\beta$ 4
5 $\log_{10}\mathrm{BR}(H^\pm \to tb)$ vs. $\log_{10}\tan\beta$ 5
6 $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ vs. $\log_{10}\tan\beta$ 5
7 $\log_{10}\tan\beta$ vs. $m_{H^\pm}$ GeV 6
8 $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $m_{H^\pm}$ GeV 6
9 $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ vs. $m_{H^\pm}$ GeV 7
10 $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ vs. $m_{H^\pm}$ GeV 7
11 $\log_{10}\mathrm{BR}(H^\pm \to tb)$ vs. $m_{H^\pm}$ GeV 8
12 $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ vs. $m_{H^\pm}$ GeV 8
13 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ 9
14 $m_{H^\pm}$ GeV vs. $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ 9
15 $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ 10
16 $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ 10
17 $\log_{10}\mathrm{BR}(H^\pm \to tb)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ 11
18 $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ 11
19 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ 12
20 $m_{H^\pm}$ GeV vs. $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ 12
21 $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ 13
22 $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ 13
23 $\log_{10}\mathrm{BR}(H^\pm \to tb)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ 14
24 $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ 14
25 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ 15
26 $m_{H^\pm}$ GeV vs. $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ 15
27 $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ 16

28 $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ 16
29 $\log_{10}\mathrm{BR}(H^\pm \to tb)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ 17
30 $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ 17
31 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^\pm \to tb)$ 18
32 $m_{H^\pm}$ GeV vs. $\log_{10}\mathrm{BR}(H^\pm \to tb)$ 18
33 $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to tb)$ 19
34 $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to tb)$ 19
35 $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to tb)$ 20
36 $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to tb)$ 20
37 $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ 21
38 $m_{H^\pm}$ GeV vs. $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ 21
39 $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ 22
40 $\log_{10}\mathrm{BR}(H^\pm \to \mu^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ 22
41 $\log_{10}\mathrm{BR}(H^\pm \to \tau^\pm\nu)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ 23
42 $\log_{10}\mathrm{BR}(H^\pm \to tb)$ vs. $\log_{10}\mathrm{BR}(H^\pm \to HW^\pm)$ 23

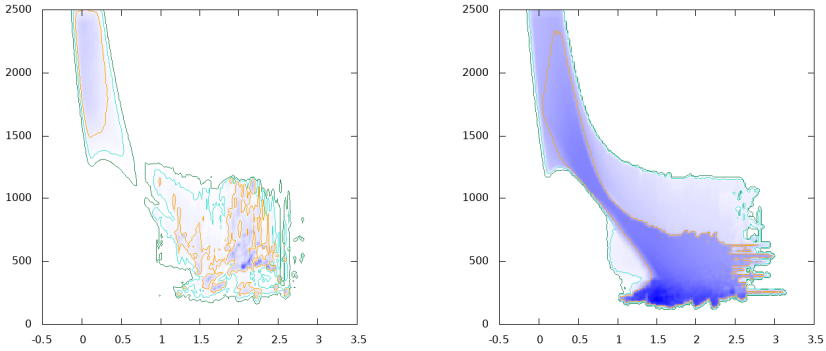

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Figure 1: $m_{H^\pm}$ GeV vs. $\log_{10}\tan\beta$

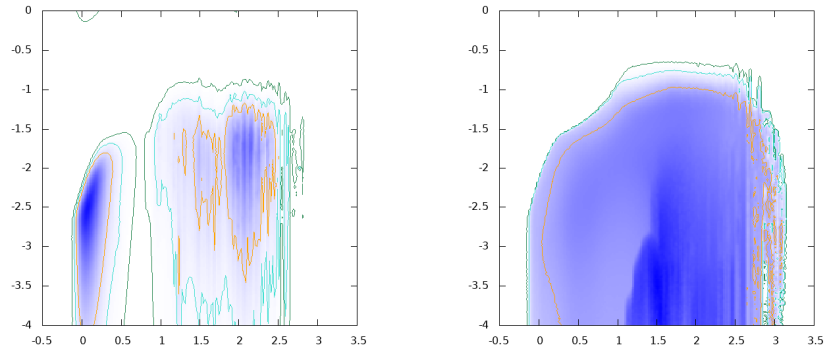

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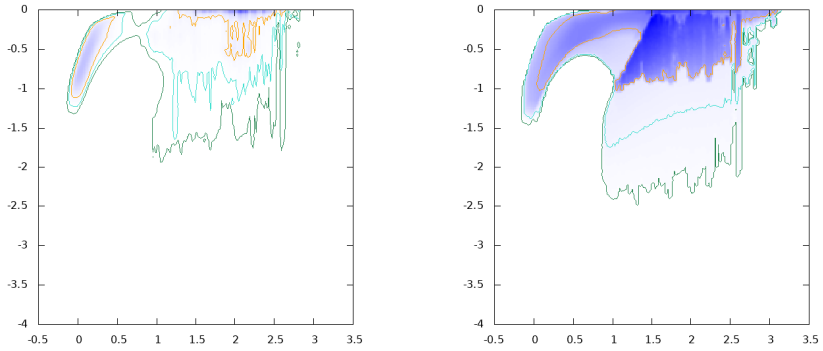
Figure 2: $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $\log_{10}\tan\beta$



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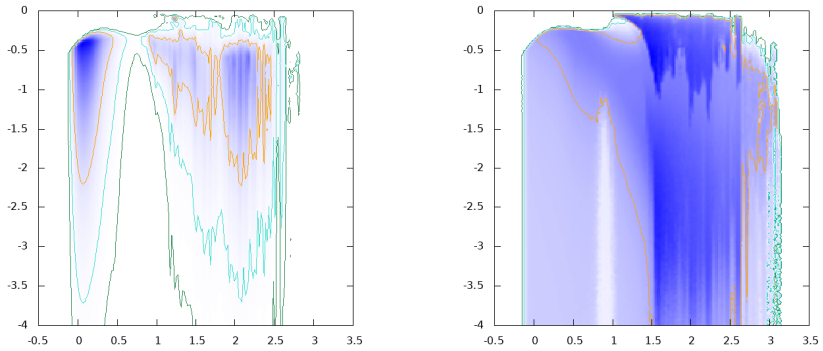

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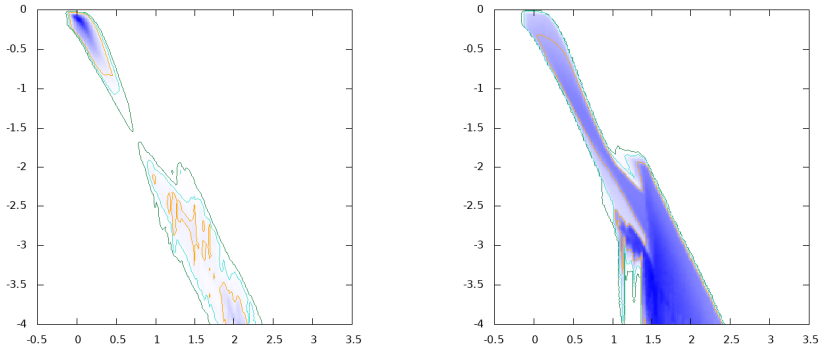

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Figure 5: $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$ vs. $\log_{10}\tan\beta$

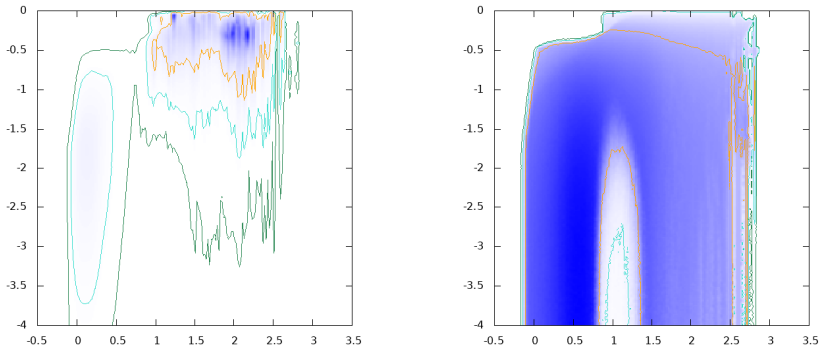

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Figure 6: $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$ vs. $\log_{10}\tan\beta$

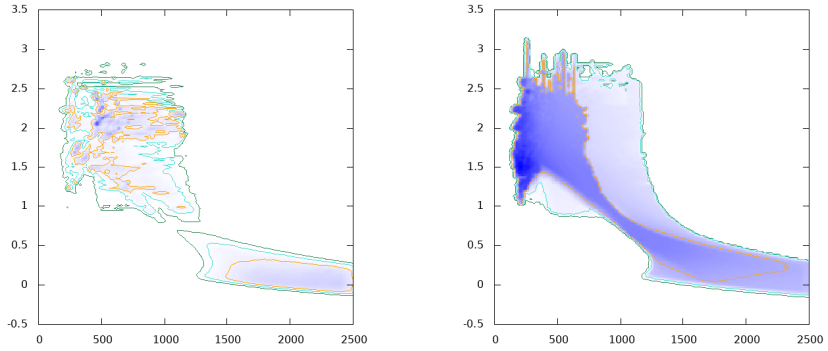

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Figure 7: $\log_{10}\tan\beta$ vs. $m_{H^\pm}$ GeV

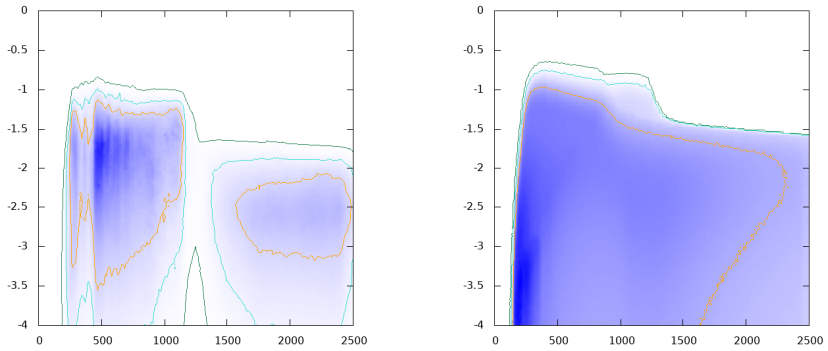

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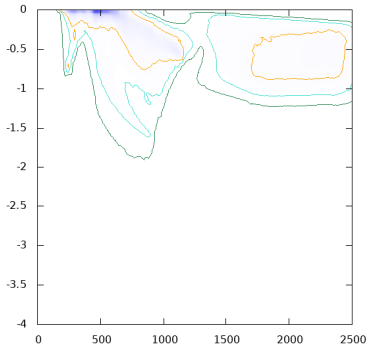
Figure 8: $\log_{10}\mathrm{BR}(H^\pm \to e^\pm\nu)$ vs. $m_{H^\pm}$ GeV



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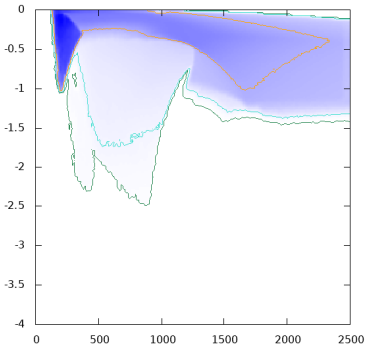

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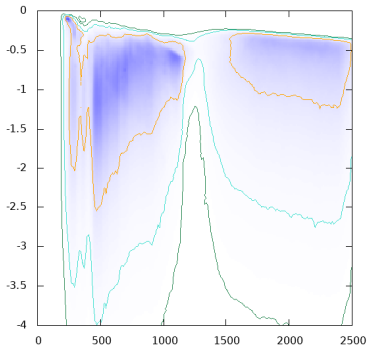
Figure 9: $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$ vs. $m_{H^{\pm}}$ GeV



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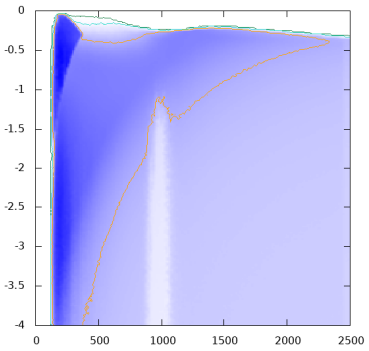

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Figure 10: $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$ vs. $m_{H^{\pm}}$ GeV

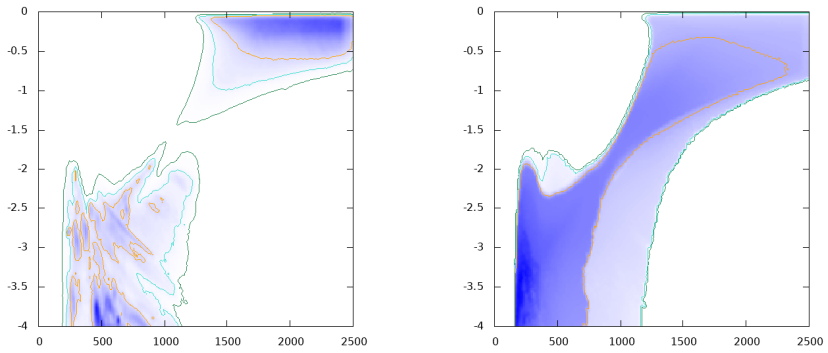

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Figure 11: $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$ vs. $m_{H^{\pm}}$ GeV

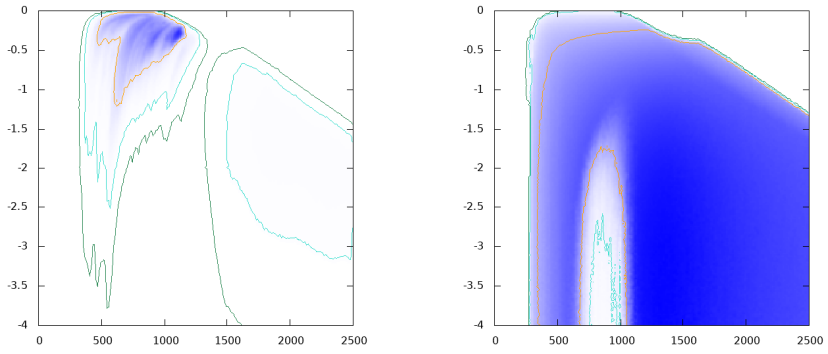

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Figure 12: $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$ vs. $m_{H^{\pm}}$ GeV

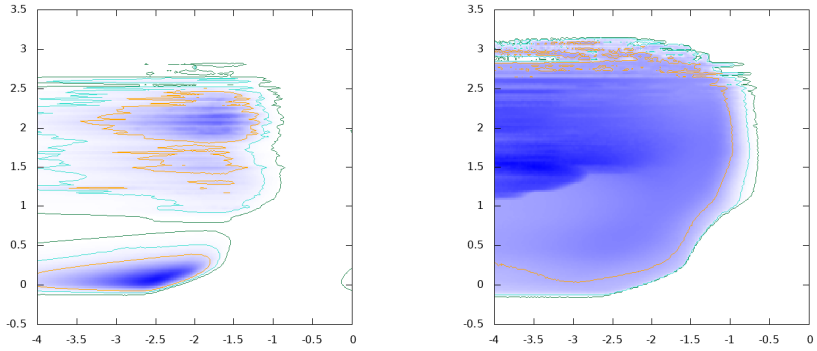

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Figure 13: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^{\pm}\to e^{\pm}\nu)$

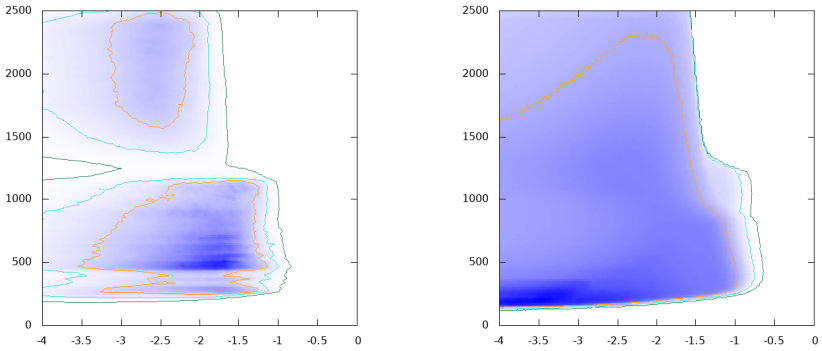

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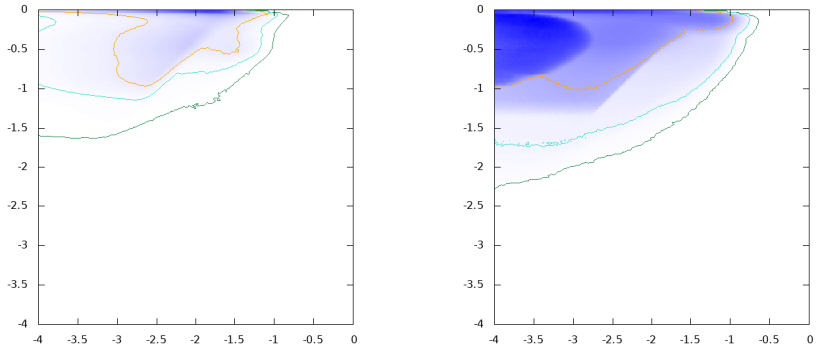
Figure 14: $m_{H^{\pm}}$ GeV vs. $\log_{10}\mathrm{BR}(H^{\pm}\to e^{\pm}\nu)$



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

Figure 15: $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$

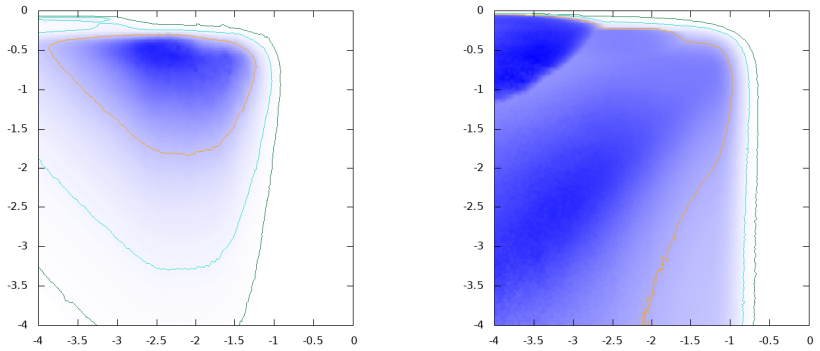


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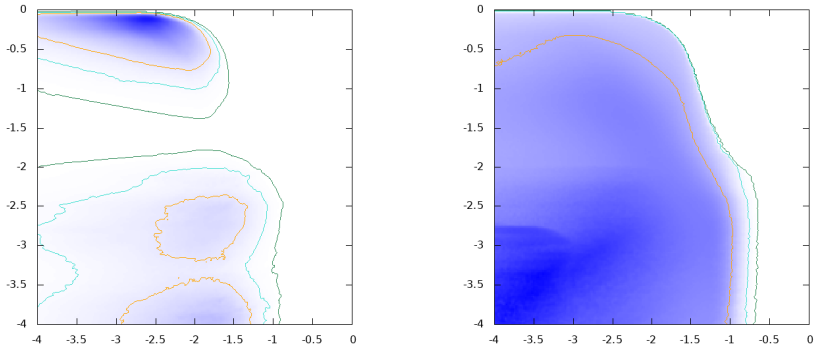
Figure 16: $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$



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

Figure 17: $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$

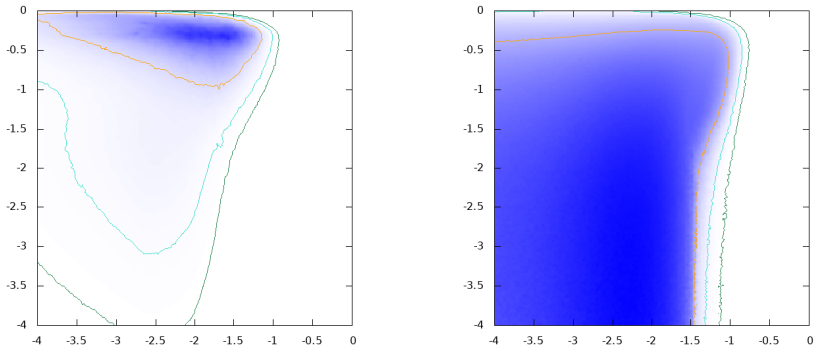


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Figure 18: $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$

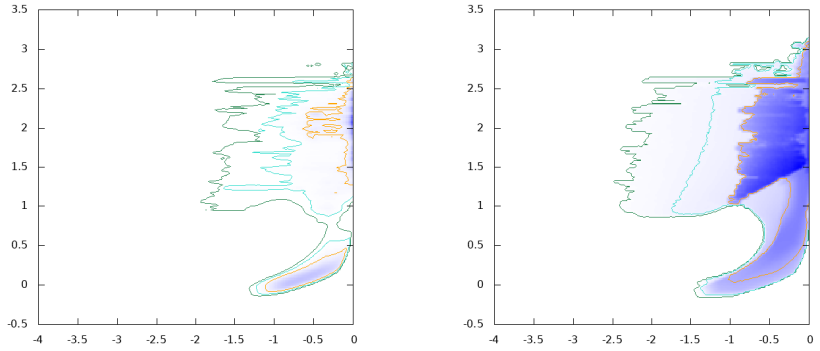

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Figure 19: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^{\pm}\to\mu^{\pm}\nu)$

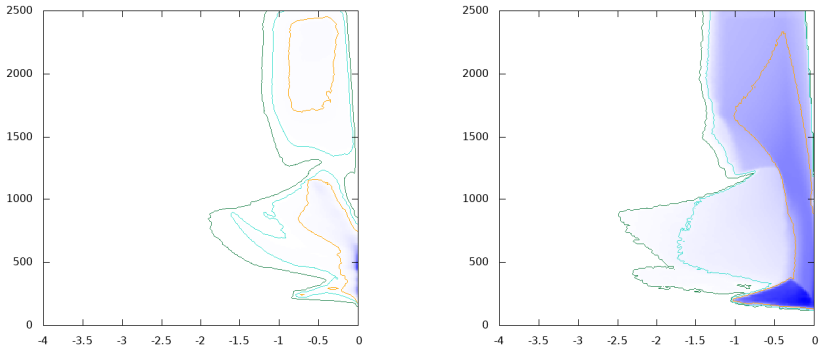

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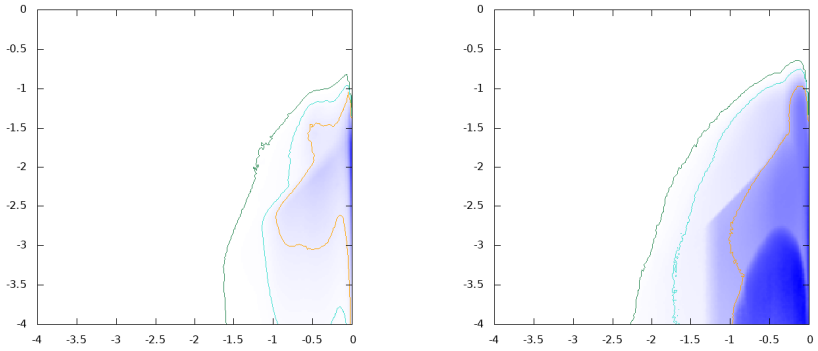
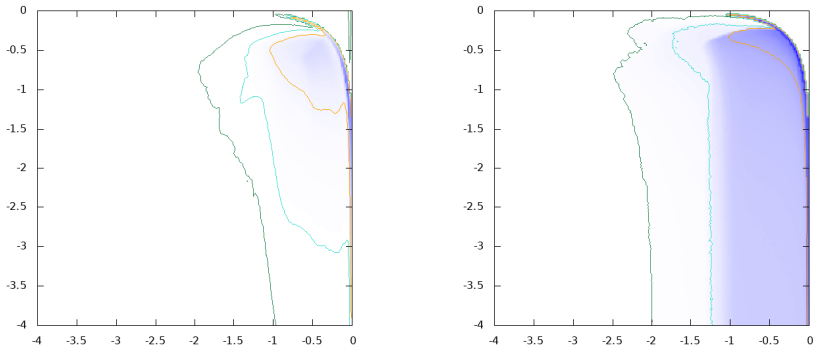
Figure 20: $m_{H^{\pm}}$ GeV vs. $\log_{10}\mathrm{BR}(H^{\pm}\to\mu^{\pm}\nu)$



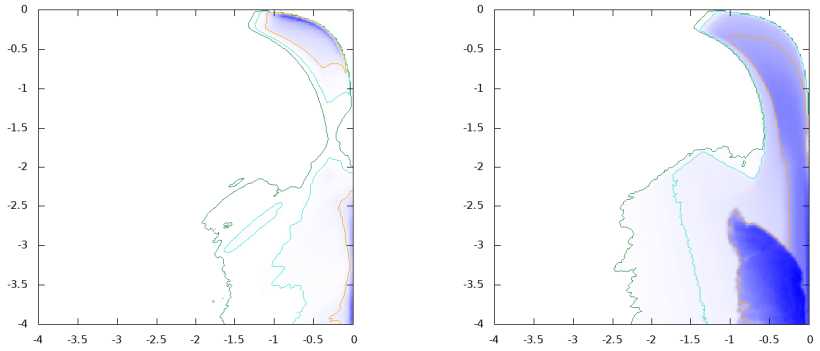
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 21: $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$



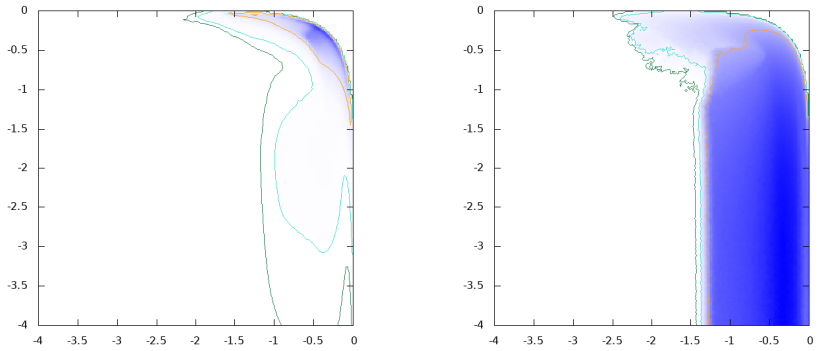
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 22: $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$



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

Figure 23: $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$



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

Figure 24: $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$

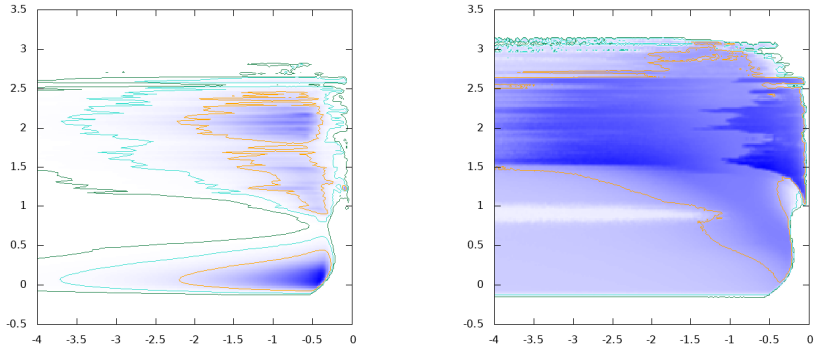


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Figure 25: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^{\pm}\to\tau^{\pm}\nu)$

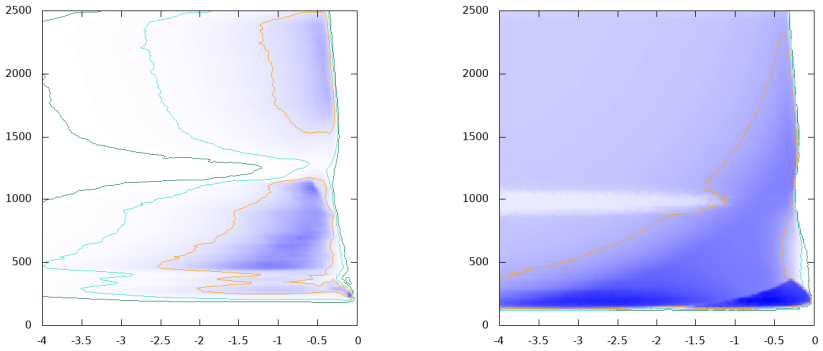

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Figure 26: $m_{H^{\pm}}$ GeV vs. $\log_{10}\mathrm{BR}(H^{\pm}\to\tau^{\pm}\nu)$

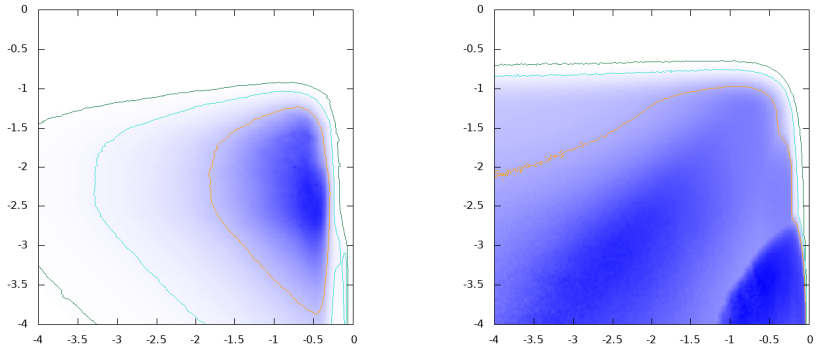

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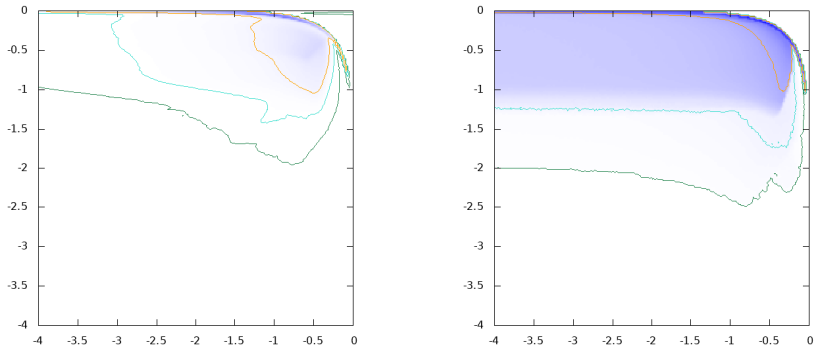
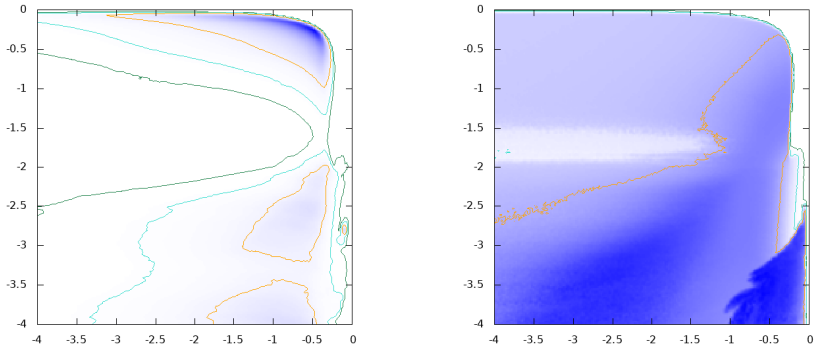
Figure 27: $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$



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

Figure 28: $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$



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

Figure 29: $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$

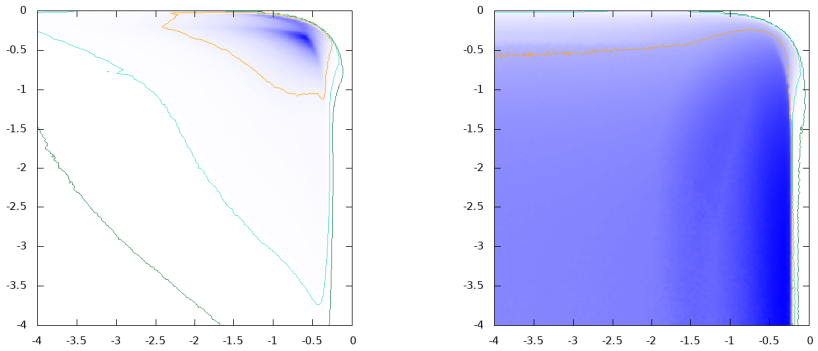


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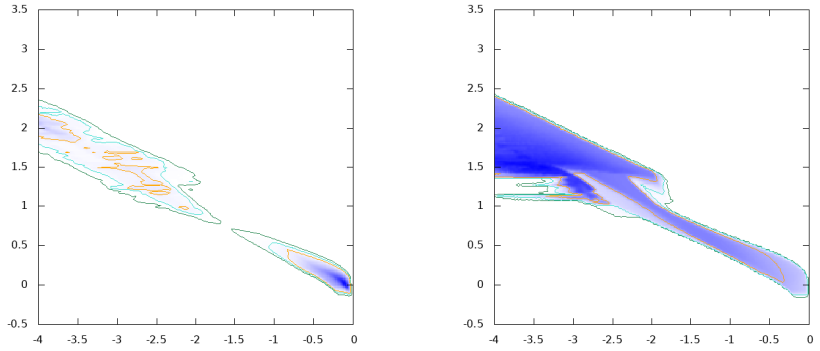
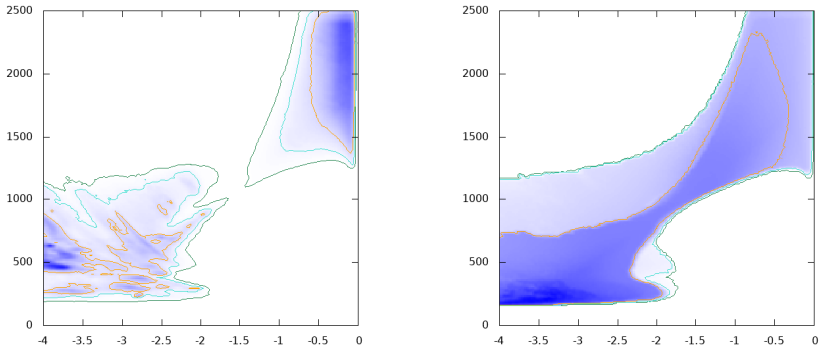
Figure 30: $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$



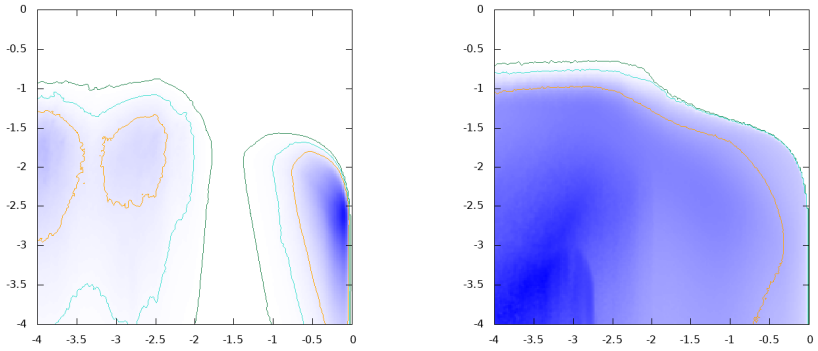
(a) PDF (b) $-2\ln(\mathcal{L})$

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



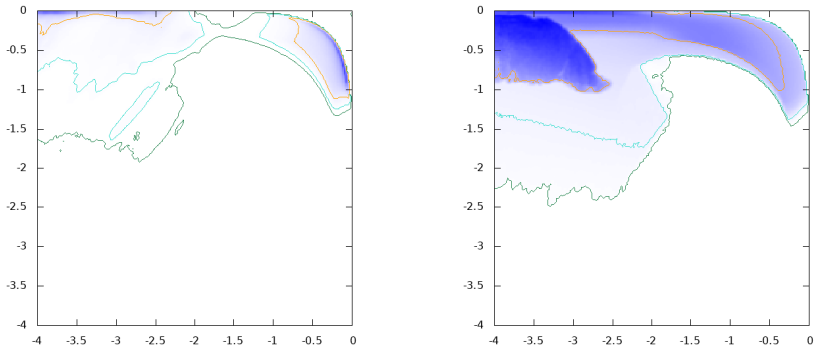
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 32: $m_{H^{\pm}}$ GeV vs. $\log_{10}\mathrm{BR}(H^{\pm}\to tb)$



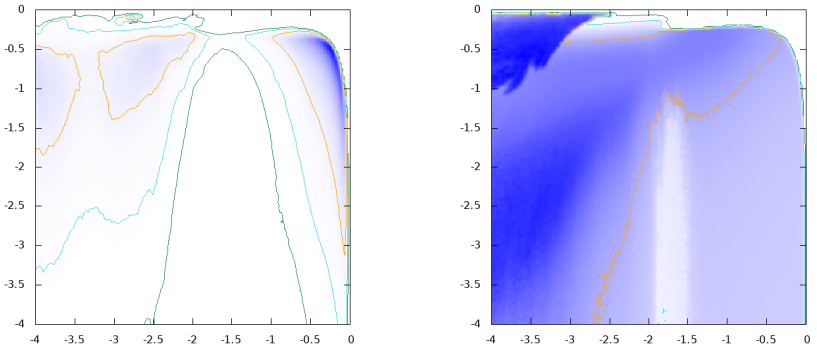
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 33: $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$



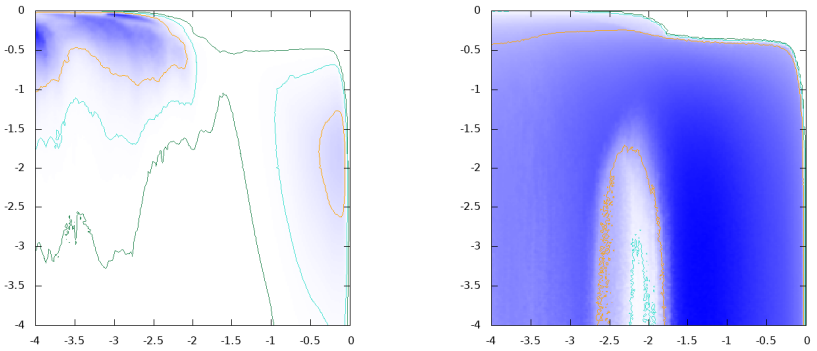
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 34: $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$



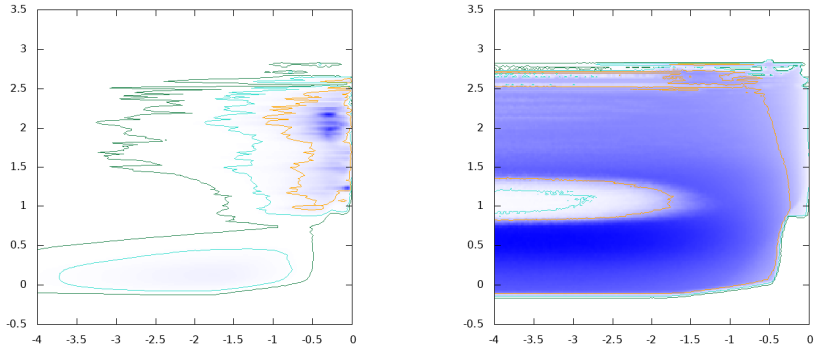
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 35: $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$



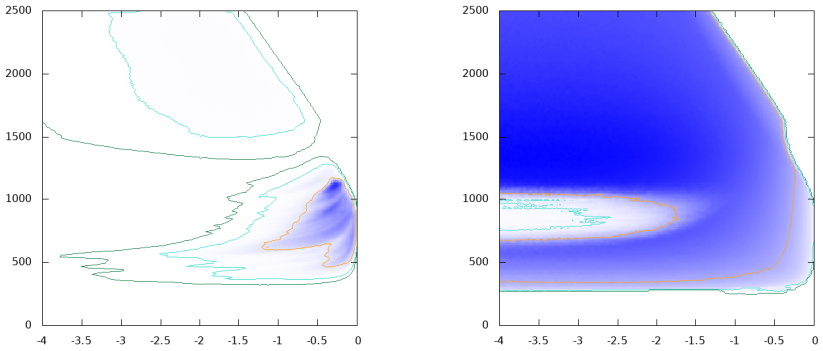
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 36: $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$



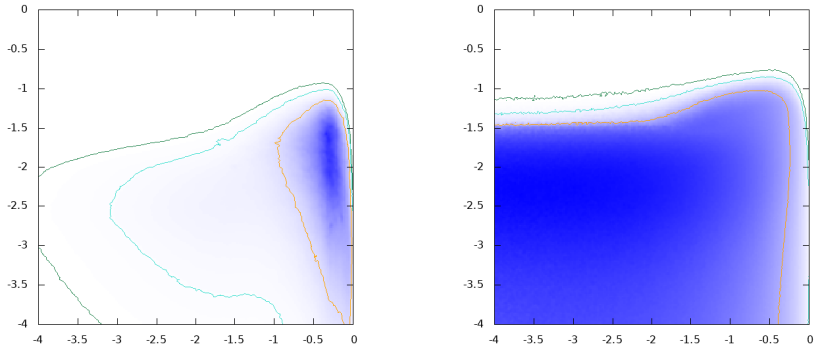
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 37: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$



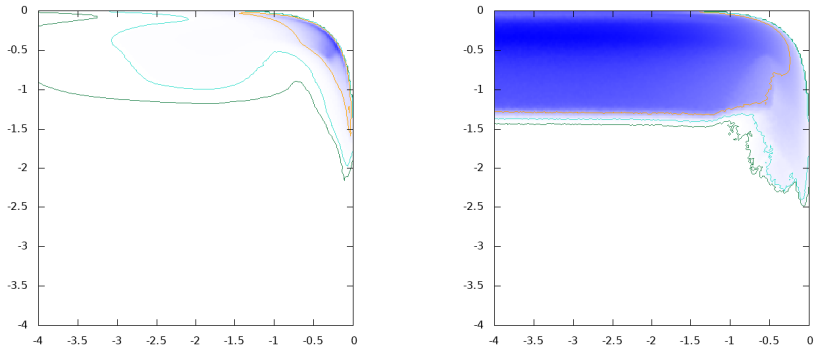
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 38: $m_{H^{\pm}}$ GeV vs. $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$



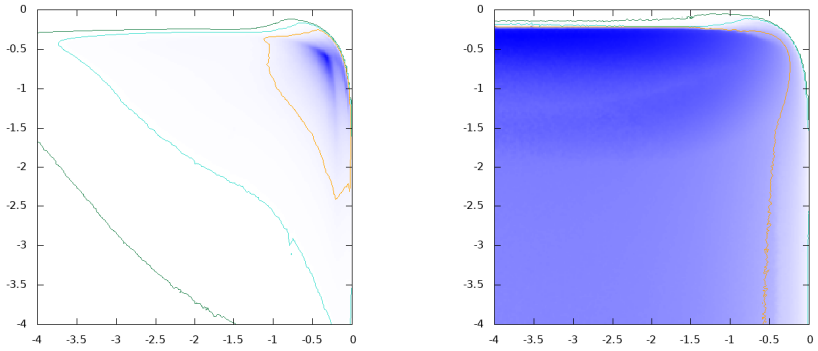
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 39: $\log_{10}\mathrm{BR}(H^{\pm} \to e^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$



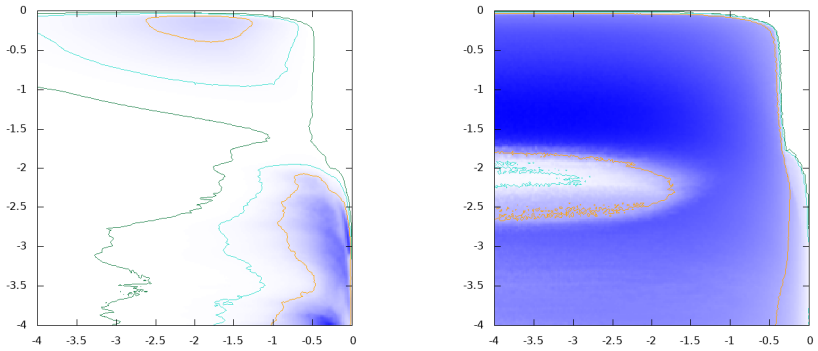
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 40: $\log_{10}\mathrm{BR}(H^{\pm} \to \mu^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$



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

Figure 41: $\log_{10}\mathrm{BR}(H^{\pm} \to \tau^{\pm}\nu)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$



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

Figure 42: $\log_{10}\mathrm{BR}(H^{\pm} \to tb)$ vs. $\log_{10}\mathrm{BR}(H^{\pm} \to HW^{\pm})$