Two-dimensional plots - Summary group 6

February 21, 2022

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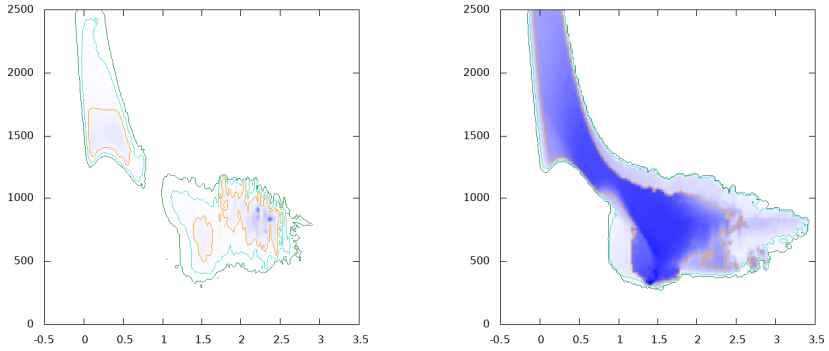

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Figure 1: m_A GeV vs. $\log_{10}\tan\beta$

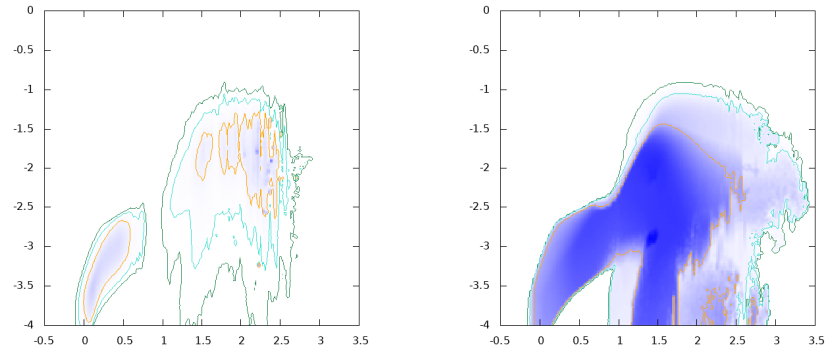

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Figure 2: $\log_{10}\mathrm{BR}(A \to e^+e^-)$ vs. $\log_{10}\tan\beta$

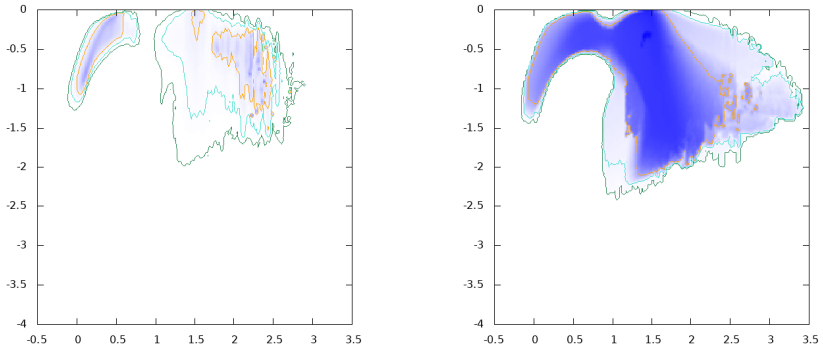

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Figure 3: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. $\log_{10}\tan\beta$

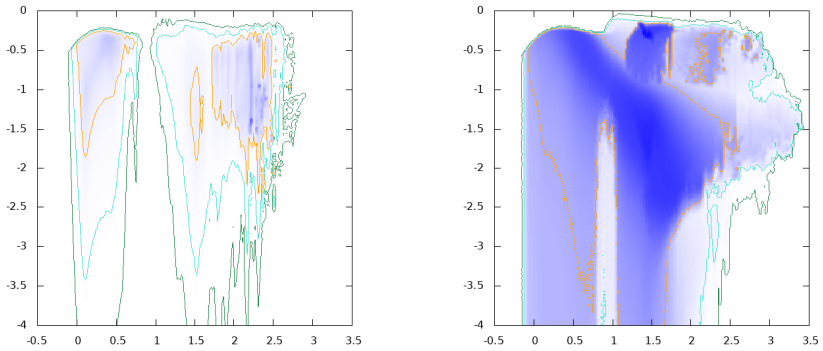

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Figure 4: $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$ vs. $\log_{10}\tan\beta$

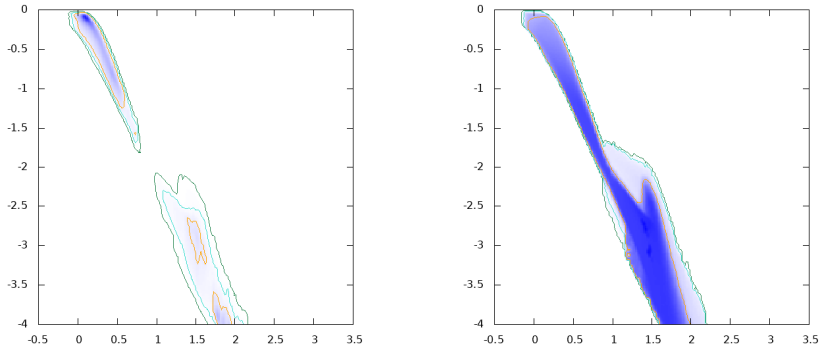

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Figure 5: $\log_{10}\mathrm{BR}(A \to \bar{t}t)$ vs. $\log_{10}\tan\beta$

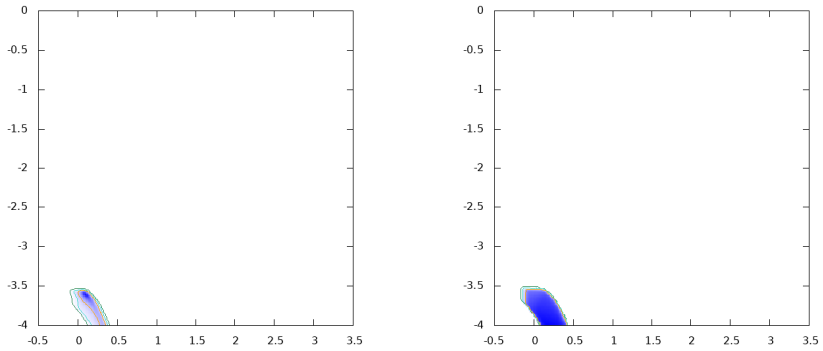

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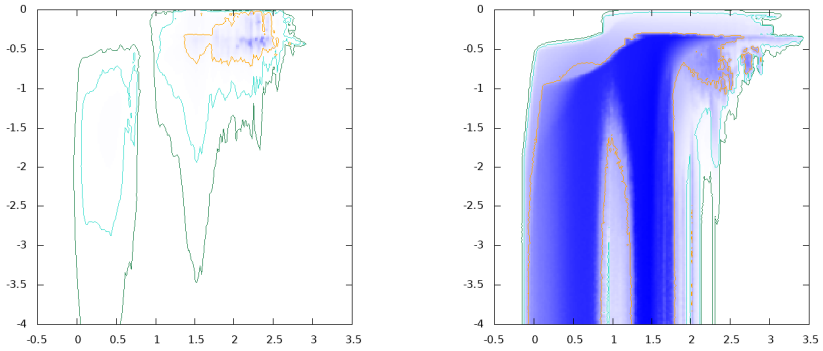
Figure 6: $\log_{10}\mathrm{BR}(A \to \bar{b}b)$ vs. $\log_{10}\tan\beta$



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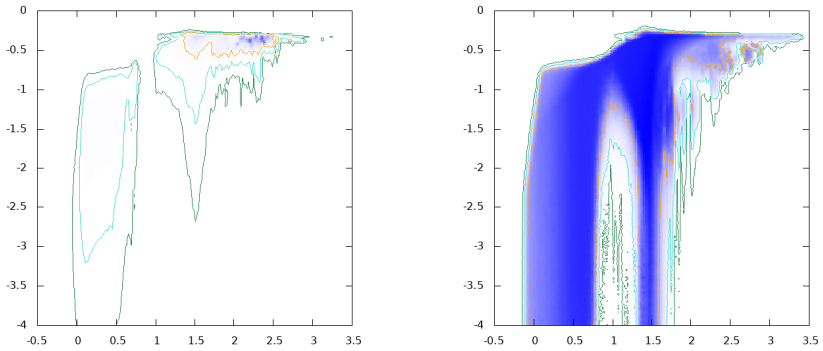

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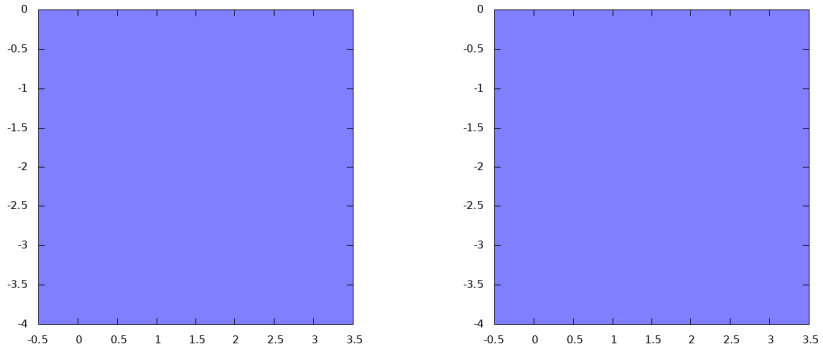

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Figure 9: $\log_{10}\mathrm{BR}(A \to SS)$ vs. $\log_{10}\tan\beta$

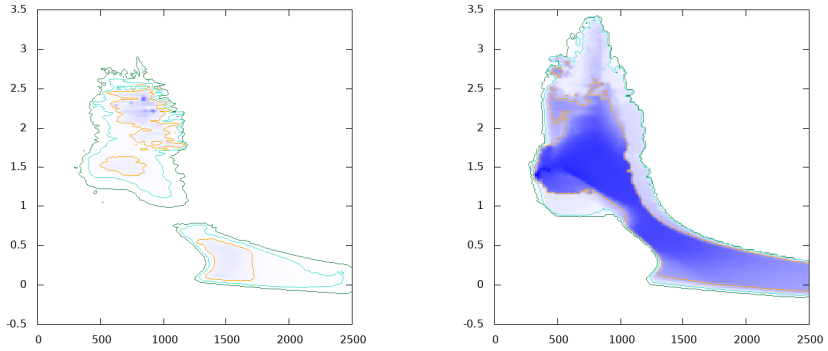

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Figure 10: $\log_{10}\tan\beta$ vs. m_A GeV

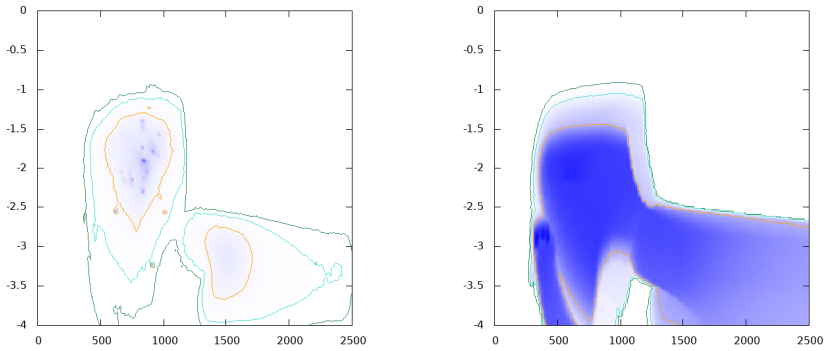

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Figure 11: $\log_{10}\mathrm{BR}(A \to e^+e^-)$ vs. m_A GeV

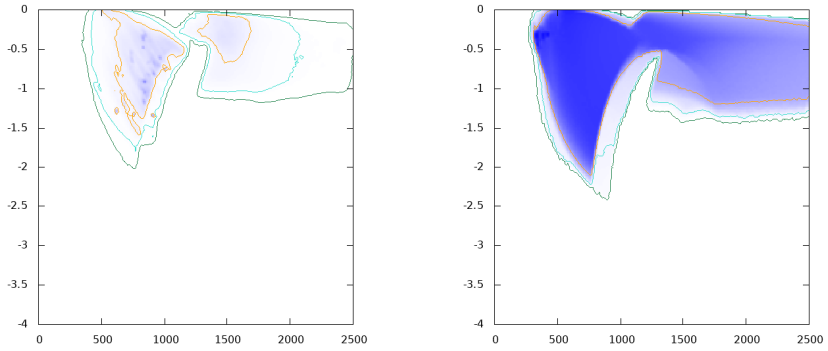

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Figure 12: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. m_A GeV

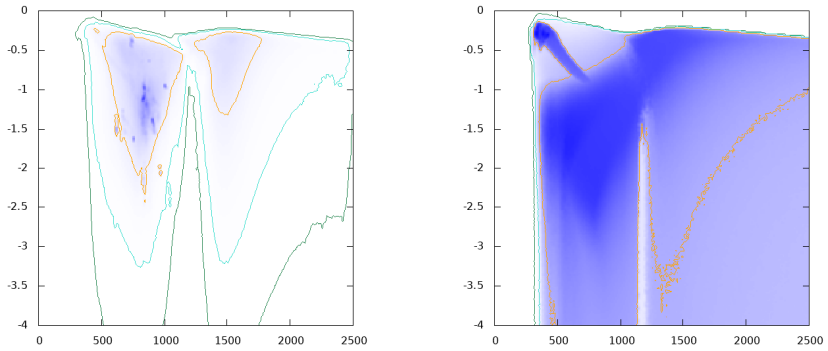

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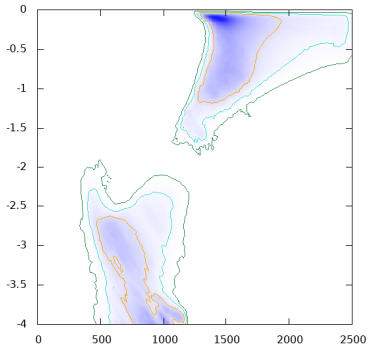
Figure 13: $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$ vs. m_A GeV



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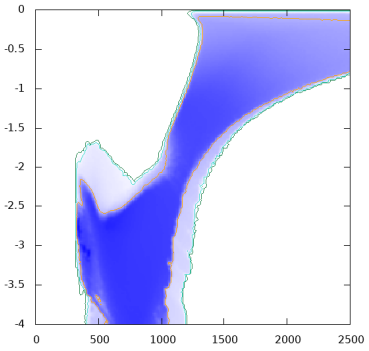

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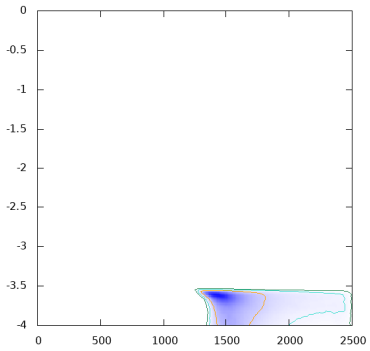

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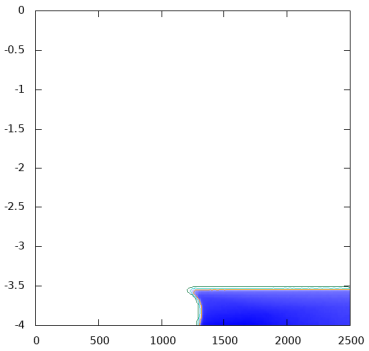

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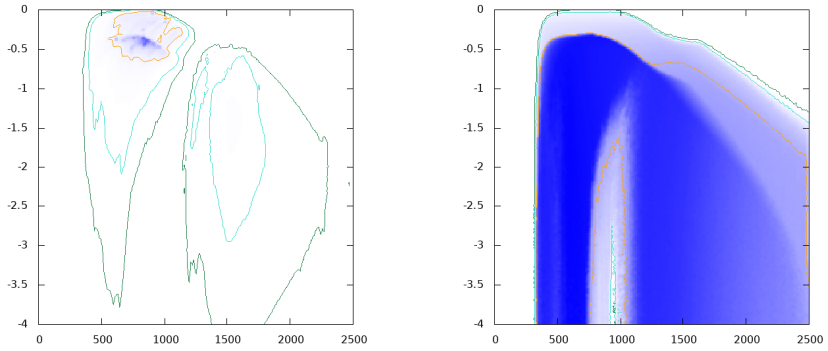

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Figure 16: $\log_{10}\mathrm{BR}(A \to HZ)$ vs. m_A GeV

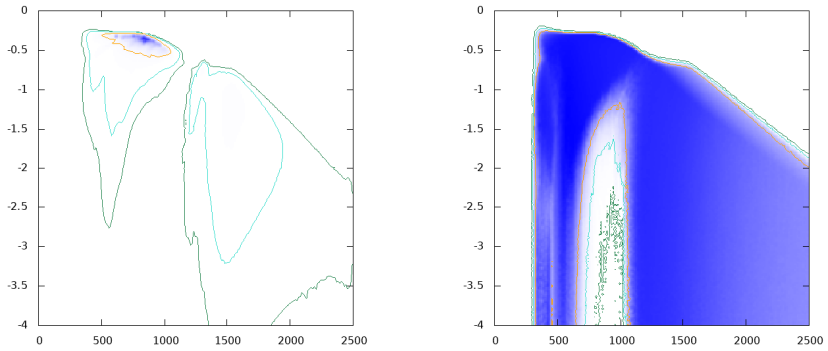

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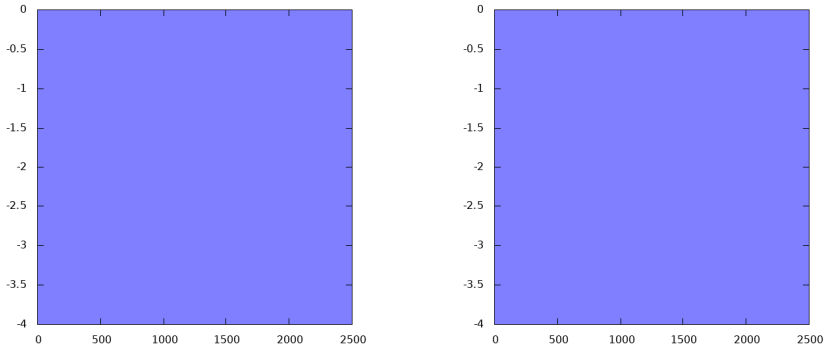
Figure 17: $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$ vs. m_A GeV



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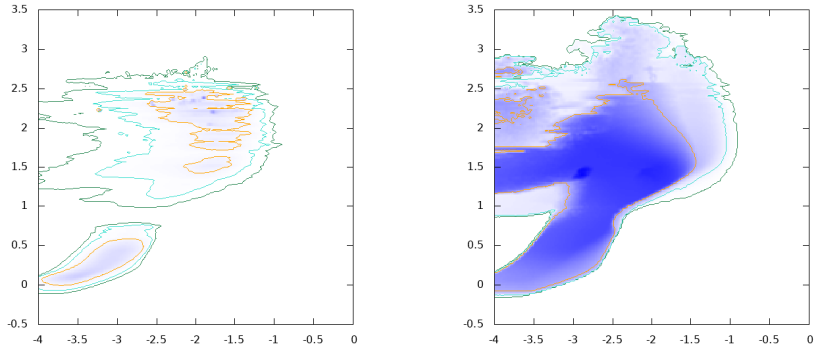

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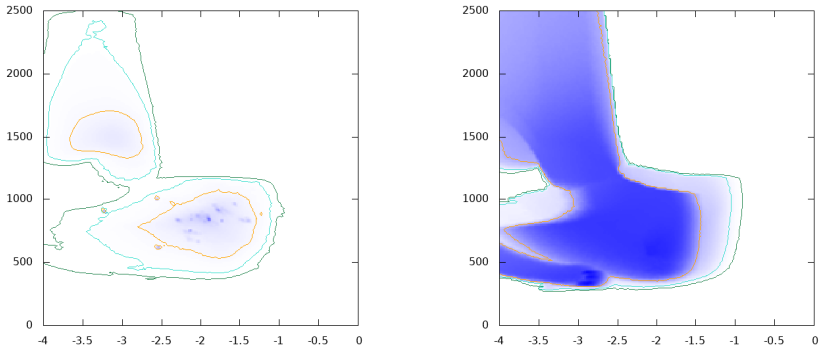

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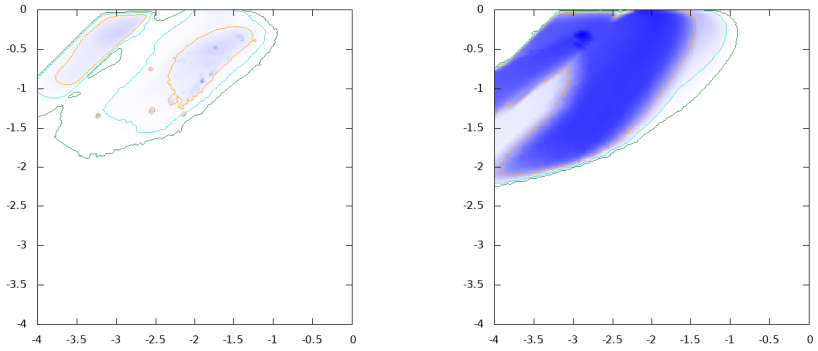

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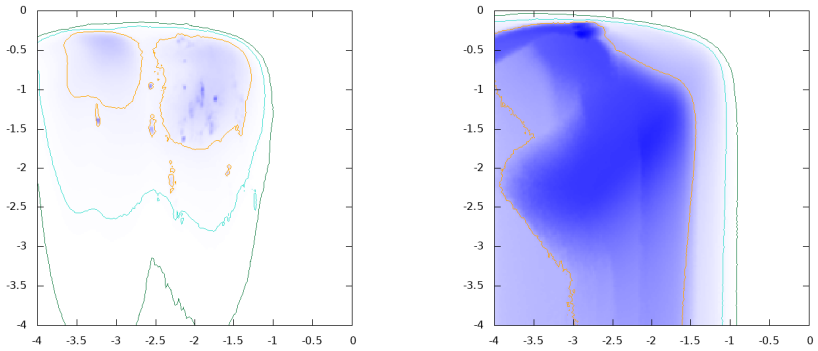

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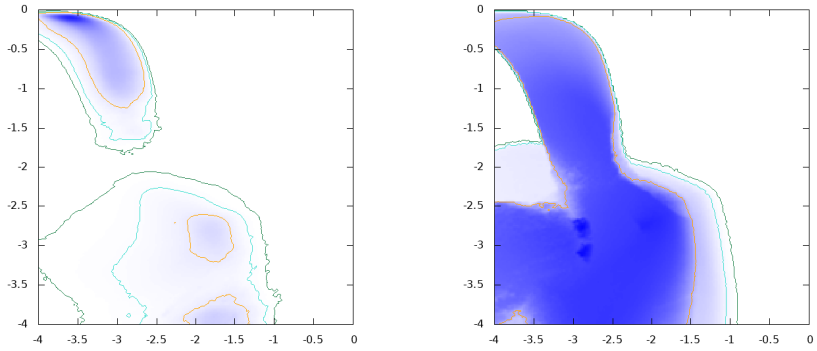
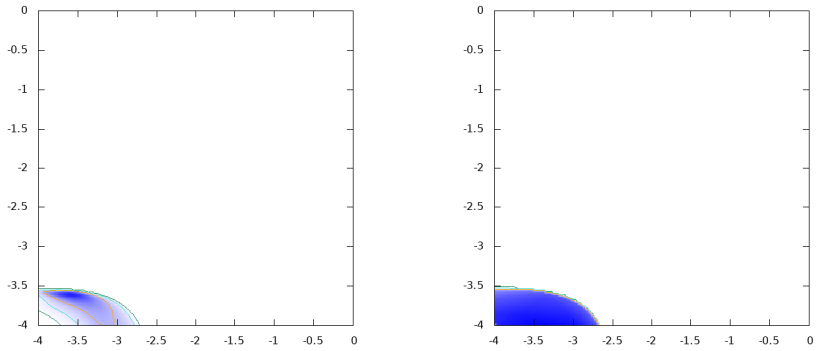


(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 23: $\log_{10}\mathrm{BR}(A \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(A \to e^+e^-)$



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

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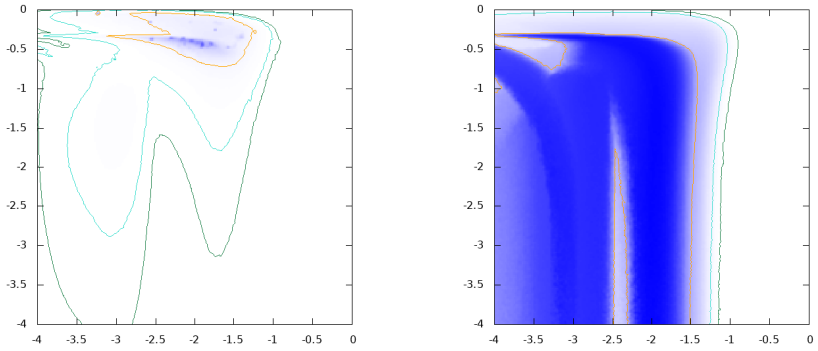

(a) PDF (b) $-2\ln(\mathcal{L})$

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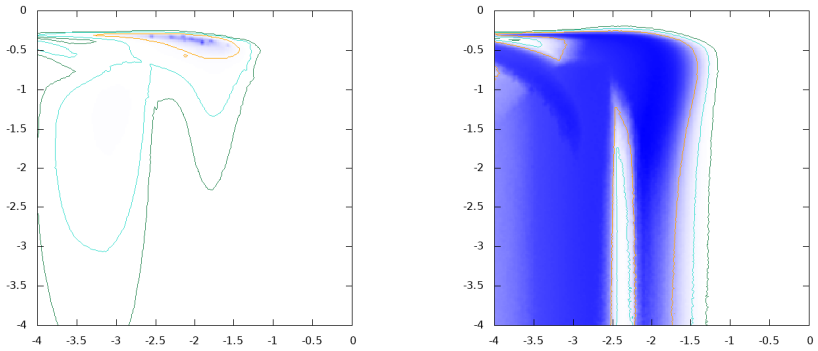

(a) PDF (b) $-2\ln(\mathcal{L})$

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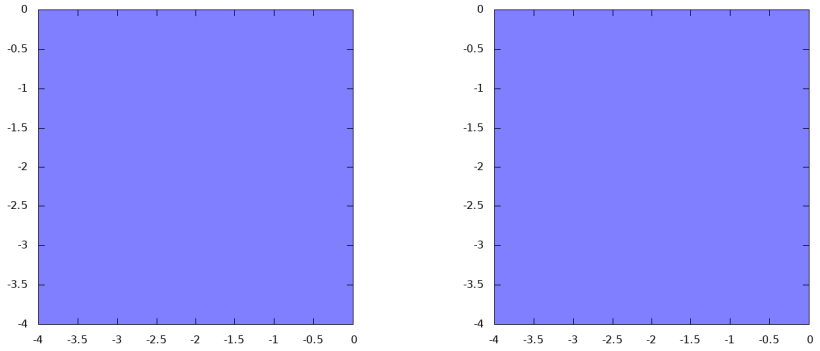

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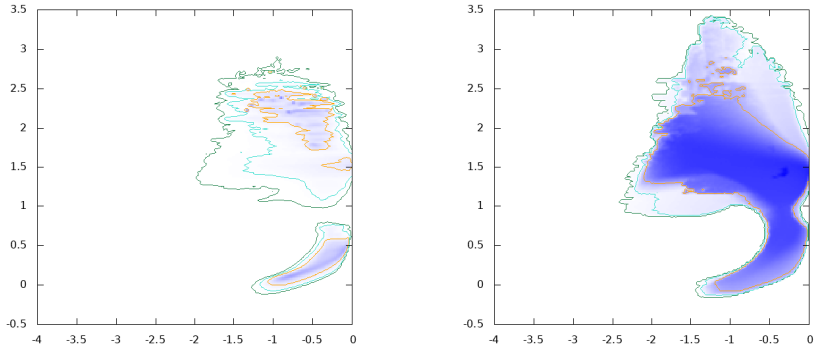

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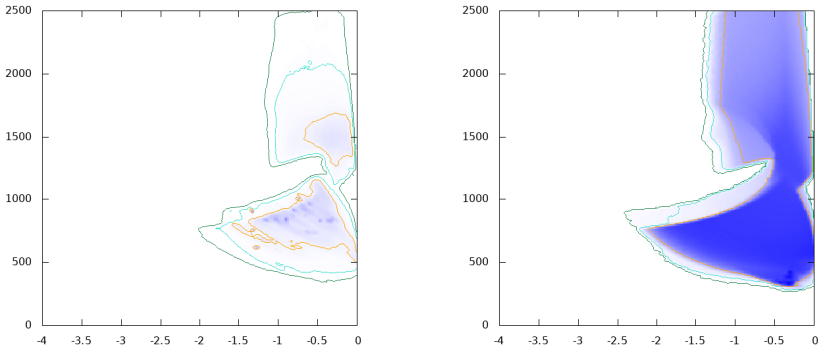

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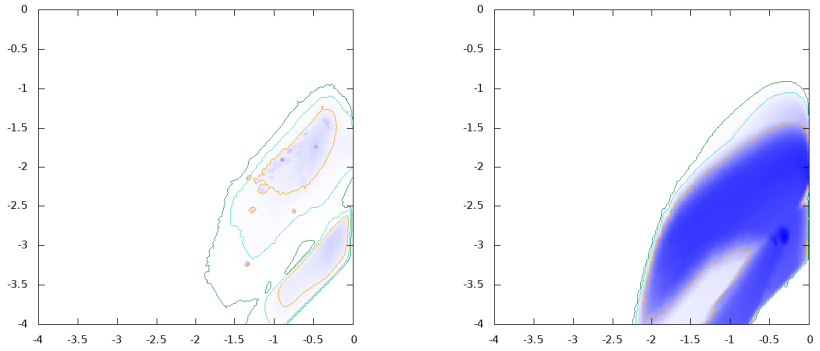

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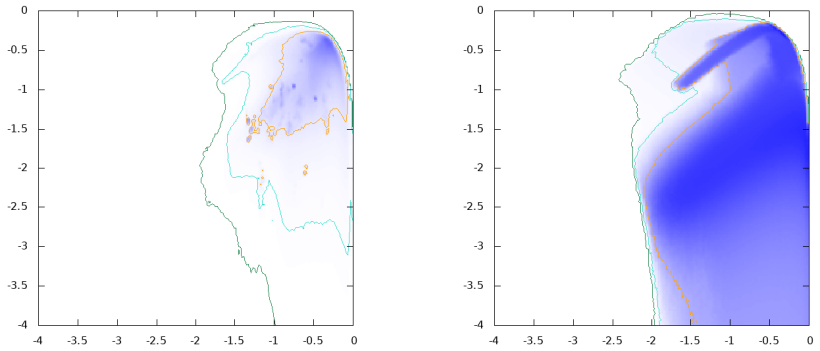

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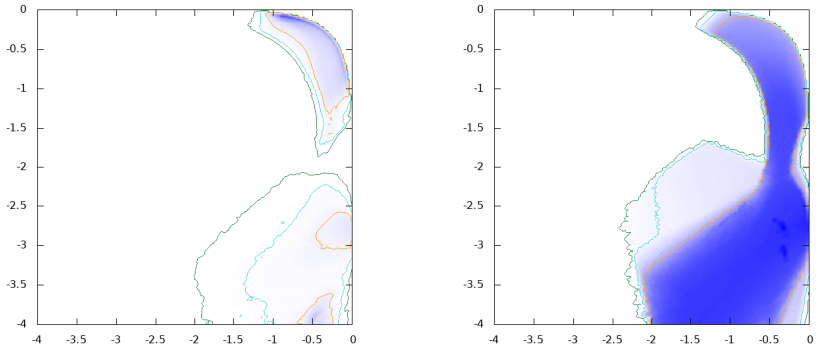

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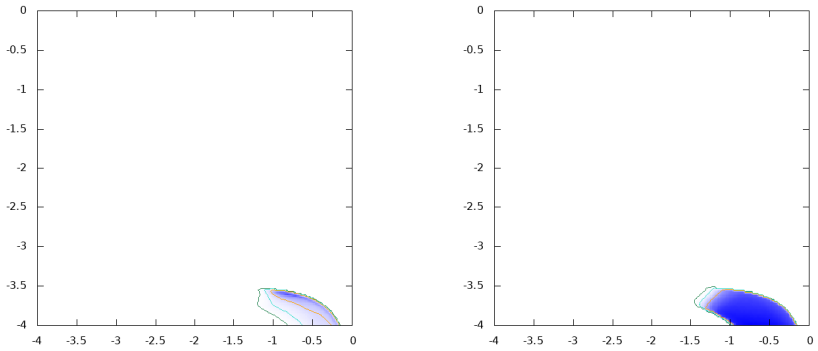

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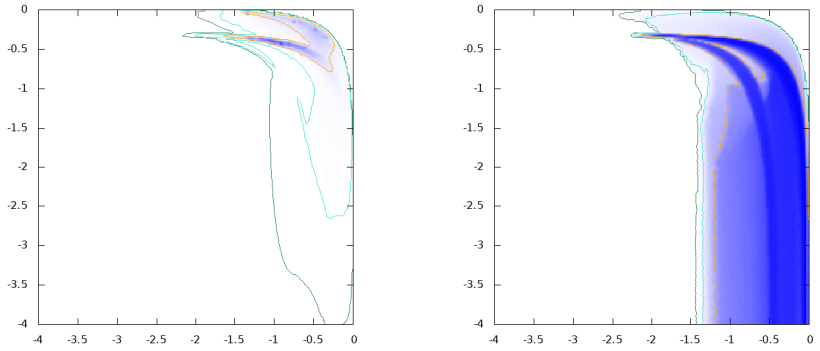

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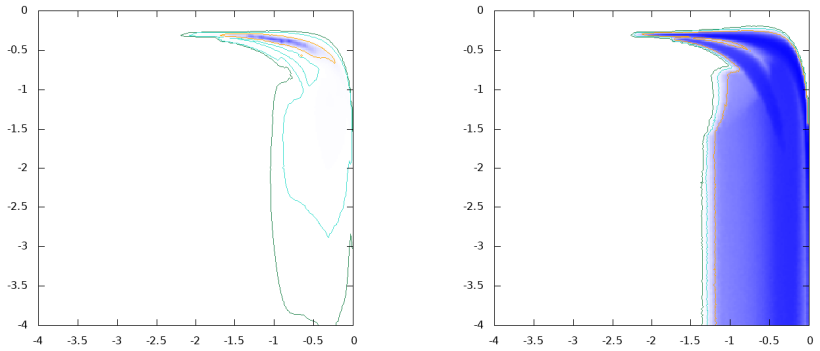

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Figure 35: $\log_{10}\mathrm{BR}(A \to H^\pm W^\mp)$ vs. $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$

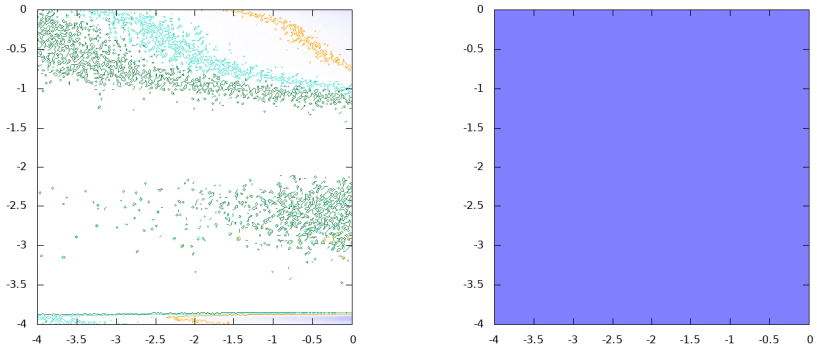

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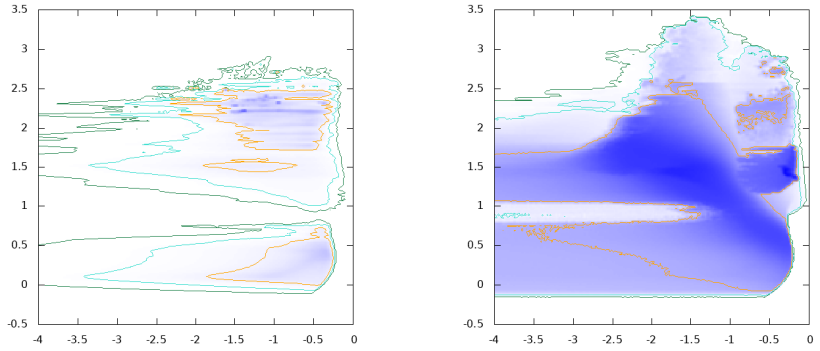
Figure 36: $\log_{10}\mathrm{BR}(A \to SS)$ vs. $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$



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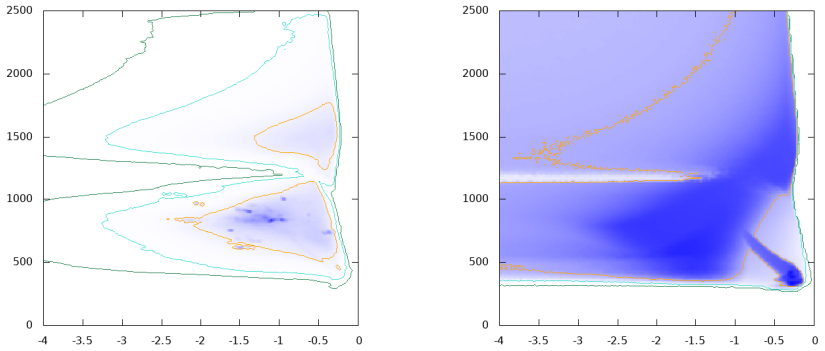

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Figure 38: m_A GeV vs. $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$

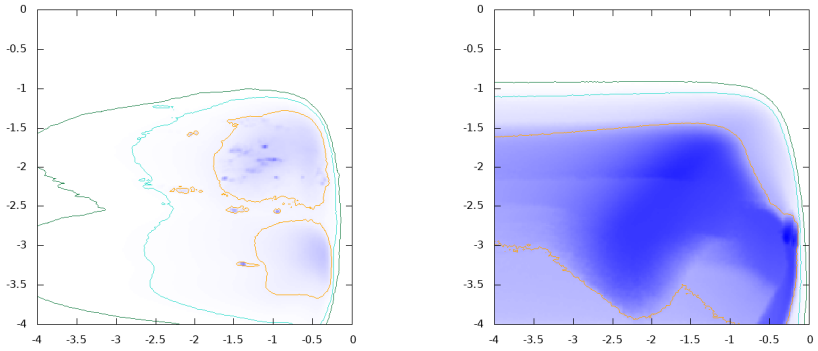

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Figure 39: $\log_{10}\mathrm{BR}(A \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$

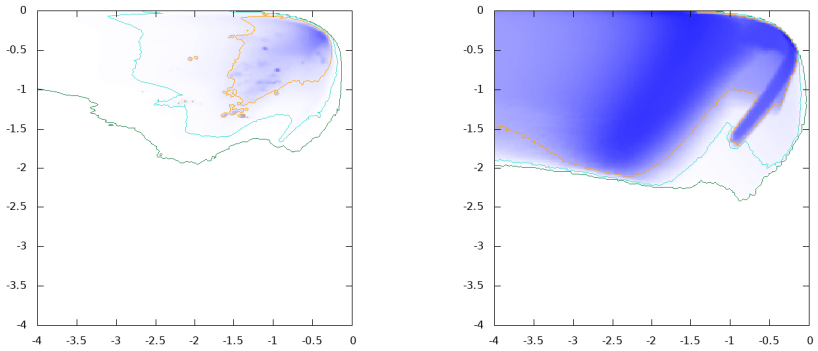

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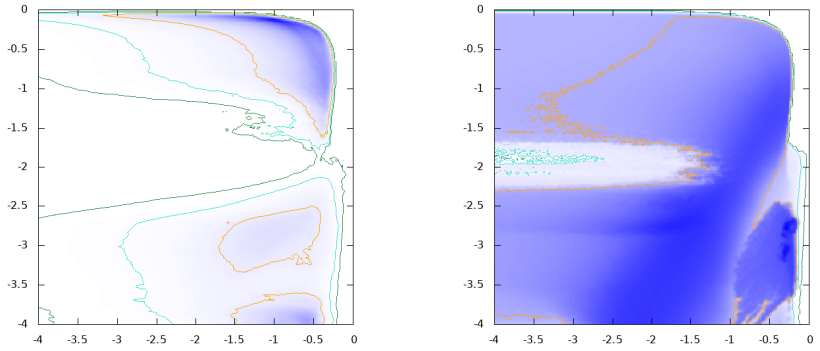
Figure 40: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$



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

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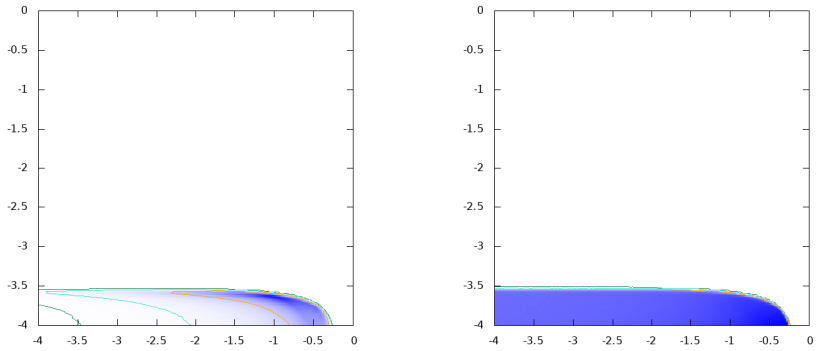
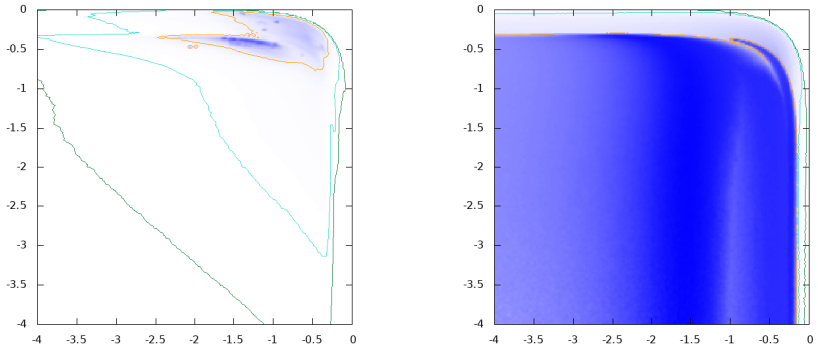


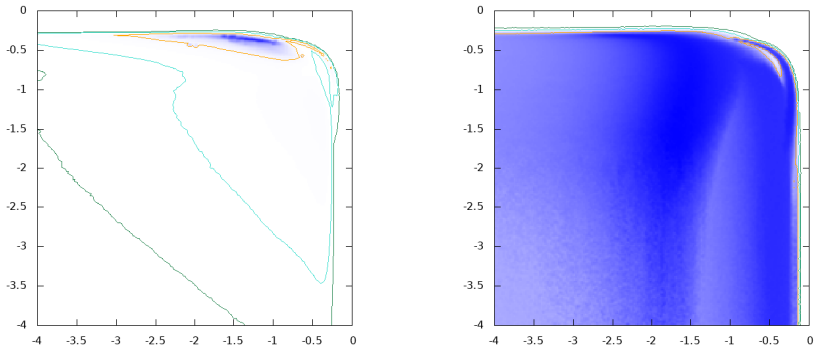
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 42: $\log_{10}\mathrm{BR}(A \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$



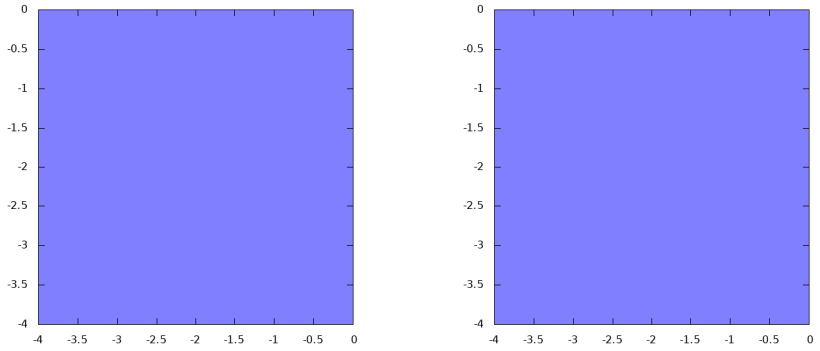
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 43: $\log_{10}\mathrm{BR}(A \to HZ)$ vs. $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$



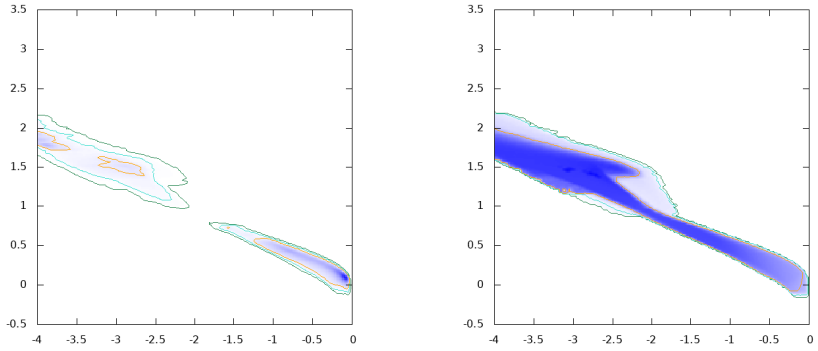
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 44: $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$



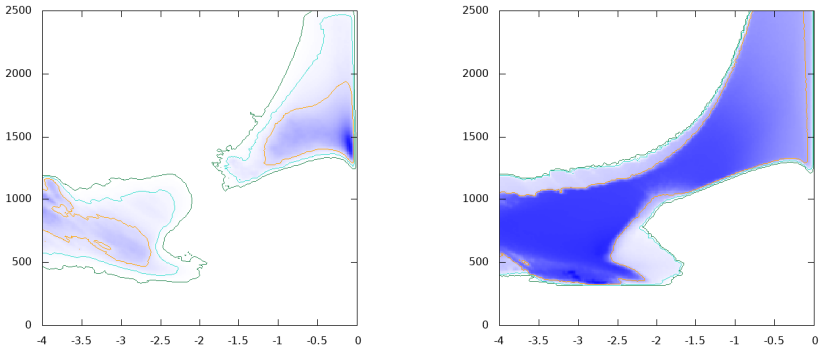
(a) PDF (b) $-2\ln(\mathcal{L})$

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



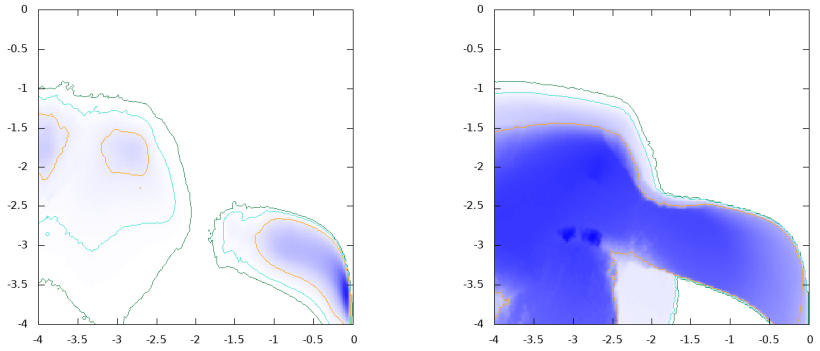
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 46: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



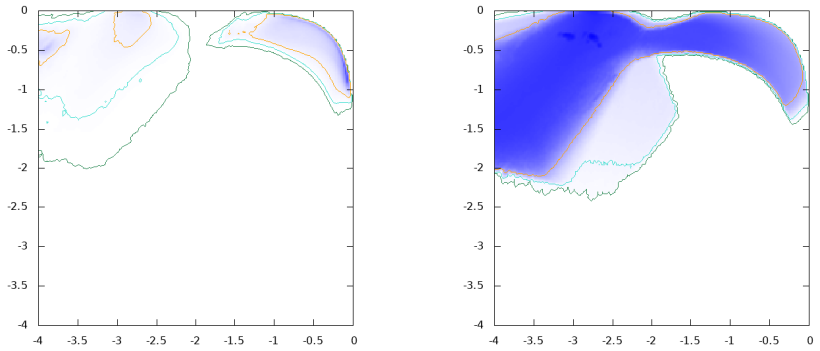
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 47: m_A GeV vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



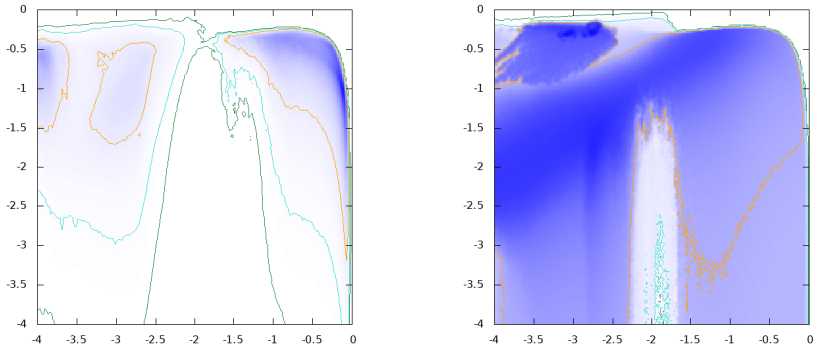
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 48: $\log_{10}\mathrm{BR}(A \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



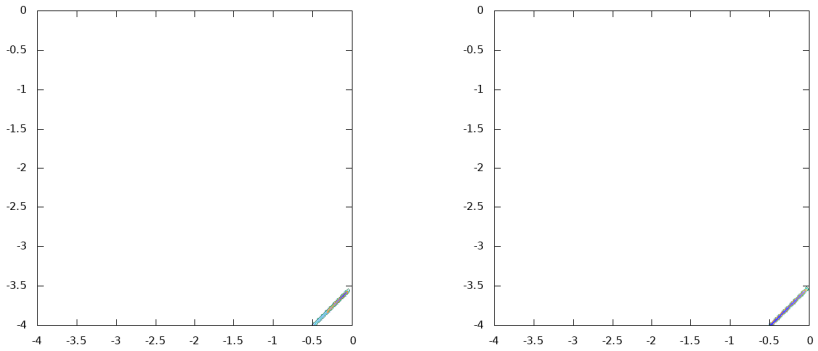
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 49: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



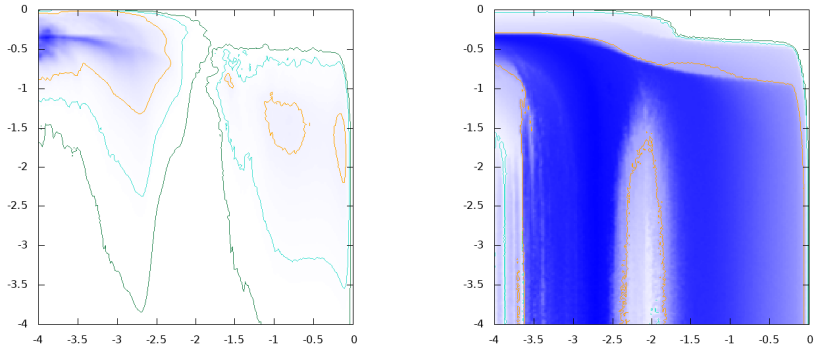
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 50: $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



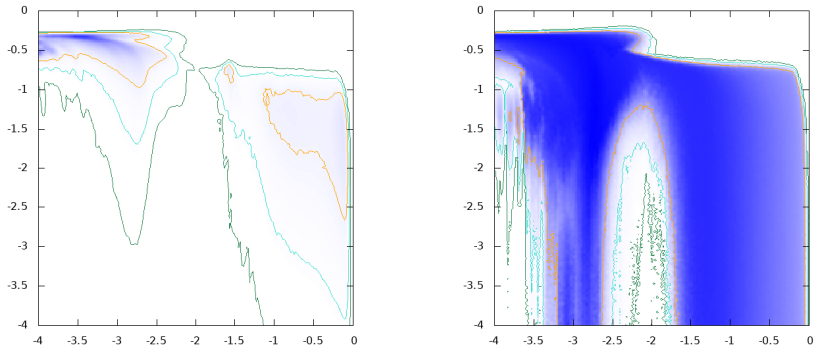
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 51: $\log_{10}\mathrm{BR}(A \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



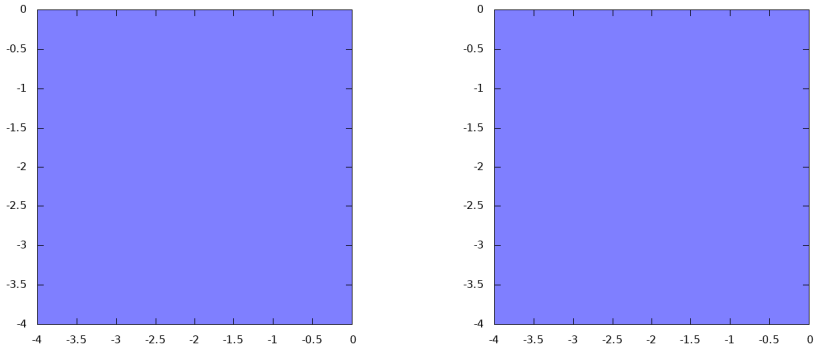
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 52: $\log_{10}\mathrm{BR}(A \to HZ)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



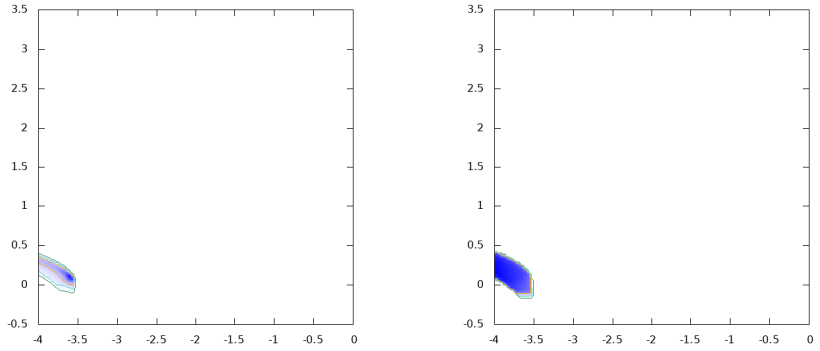
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 53: $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



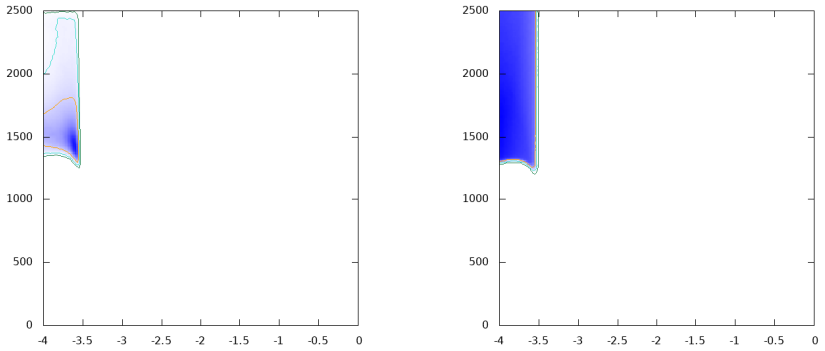
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 54: $\log_{10}\mathrm{BR}(A \to SS)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{t}t)$



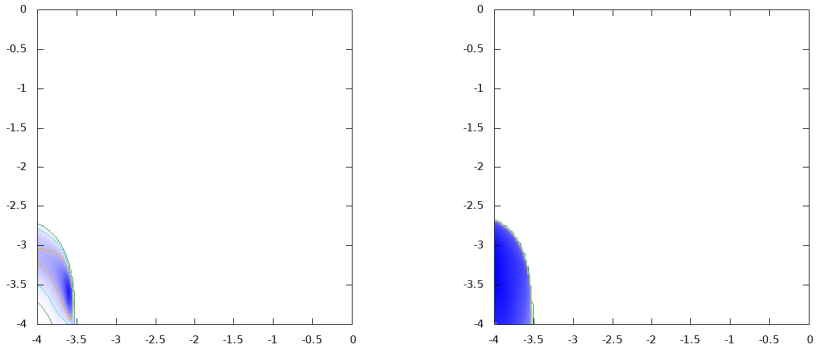
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 55: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



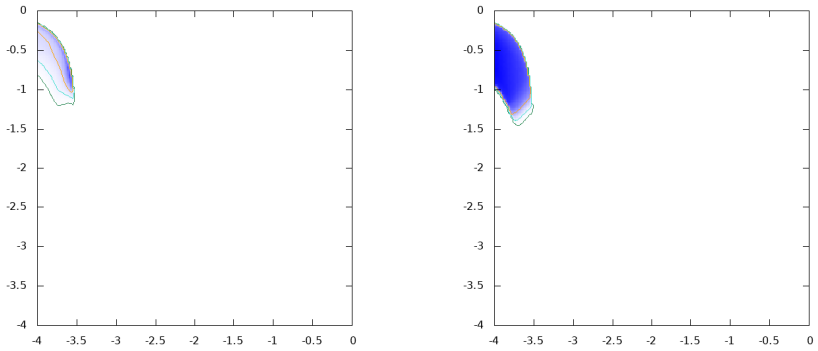
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 56: m_A GeV vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



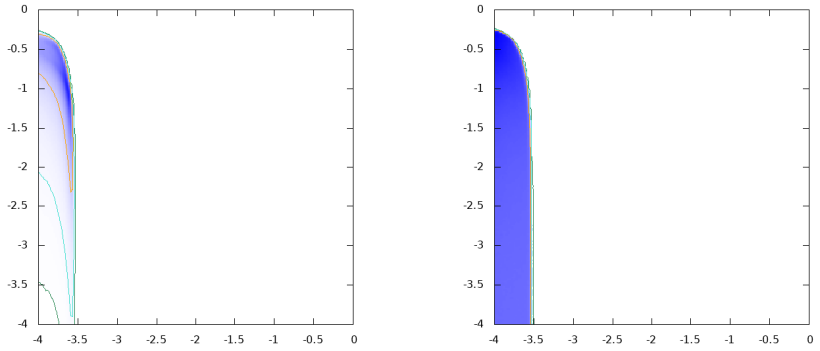
(a) PDF (b) $-2\ln(\mathcal{L})$

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



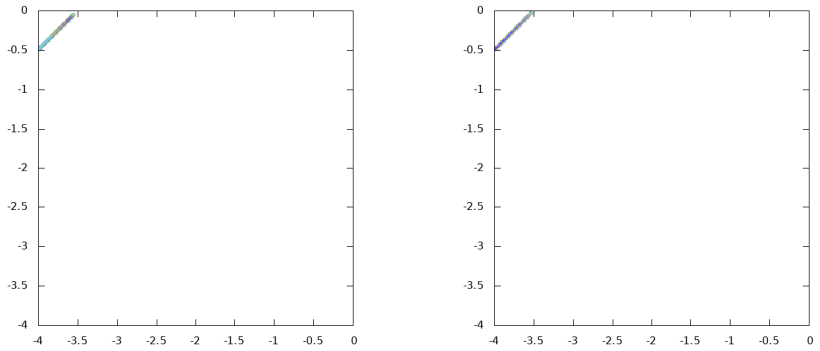
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 58: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



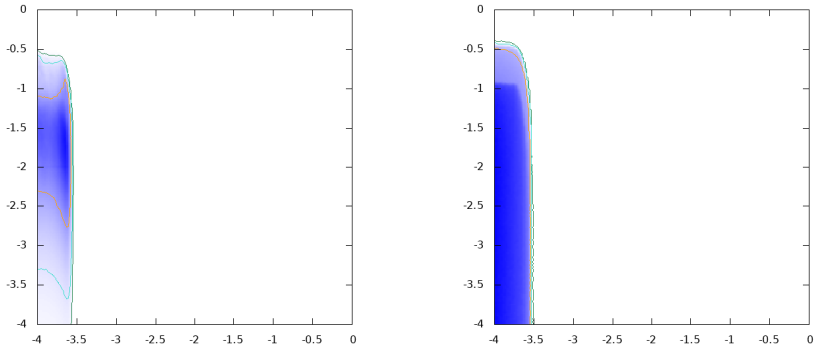
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 59: $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



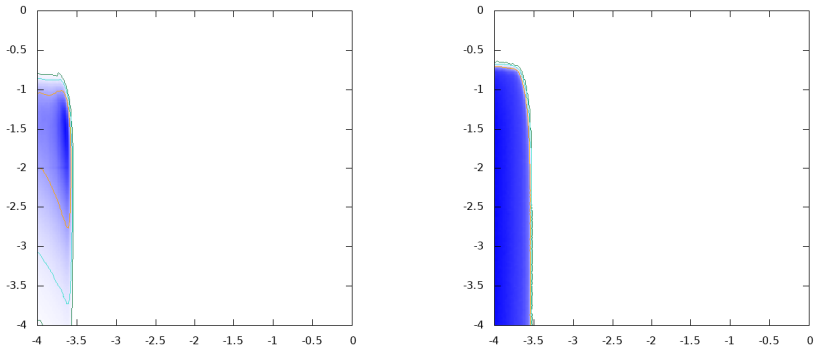
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 60: $\log_{10}\mathrm{BR}(A \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



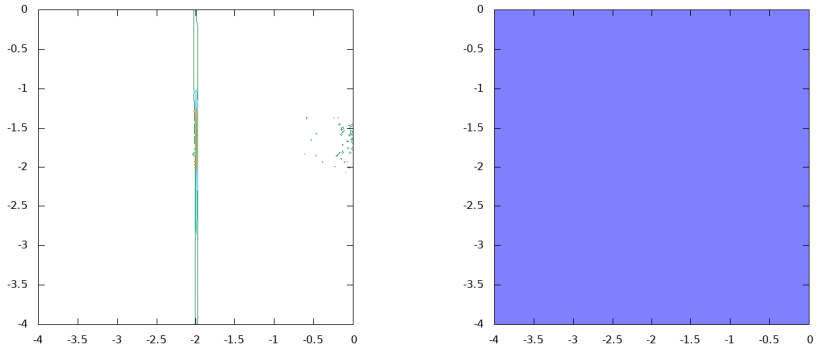
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 61: $\log_{10}\mathrm{BR}(A \to HZ)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



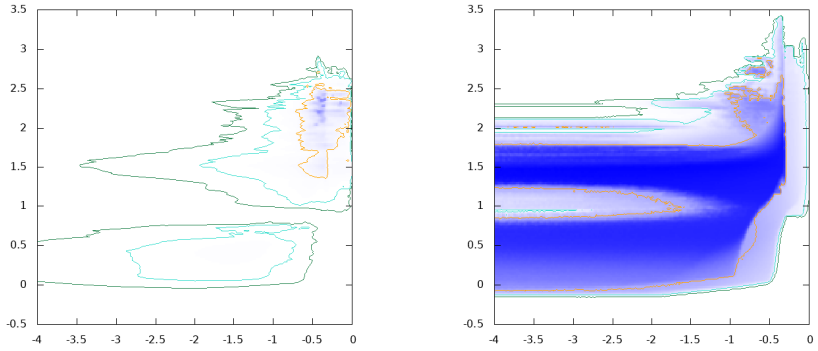
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 62: $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



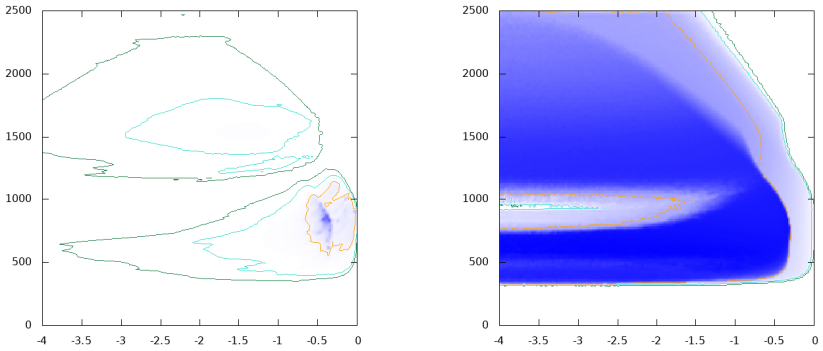
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 63: $\log_{10}\mathrm{BR}(A \to SS)$ vs. $\log_{10}\mathrm{BR}(A \to \bar{b}b)$



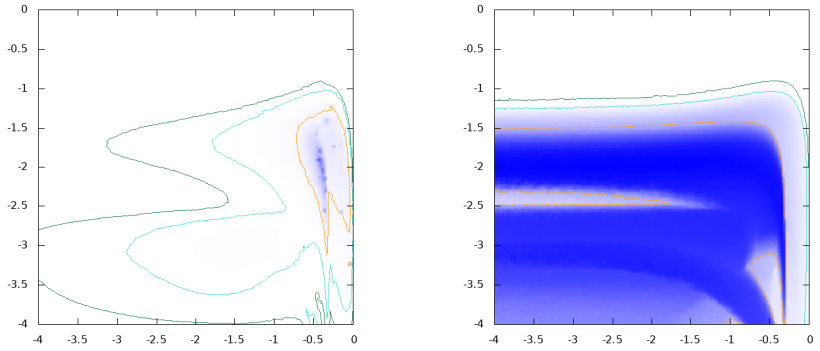
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 64: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



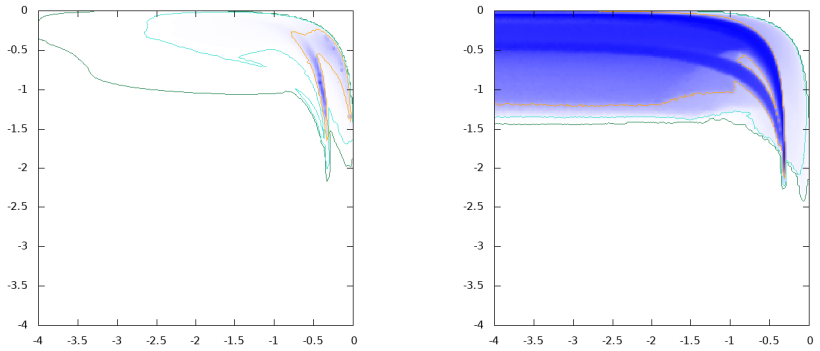
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 65: m_A GeV vs. $\log_{10}\mathrm{BR}(A \to HZ)$



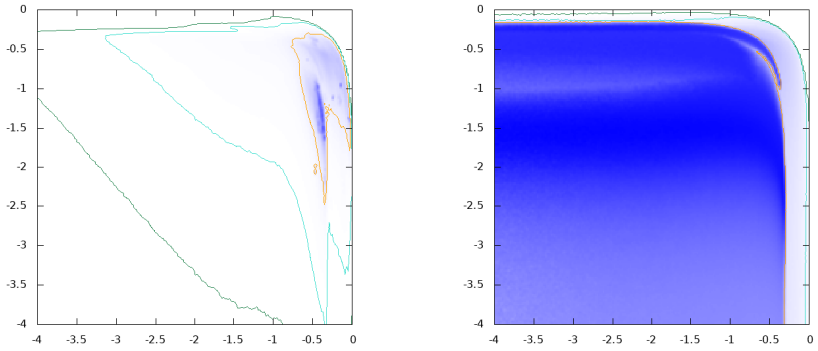
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 66: $\log_{10}\mathrm{BR}(A \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



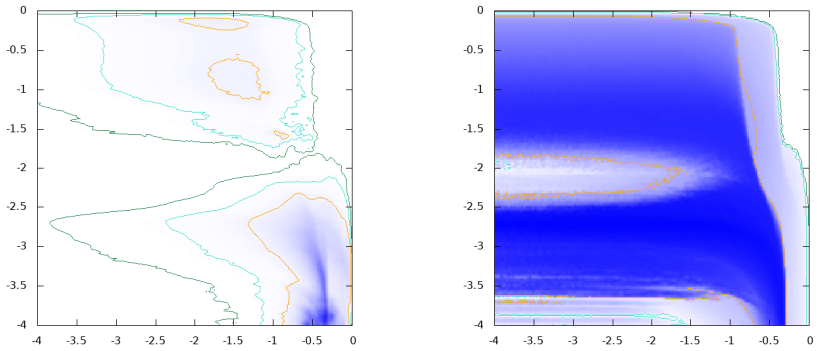
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 67: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



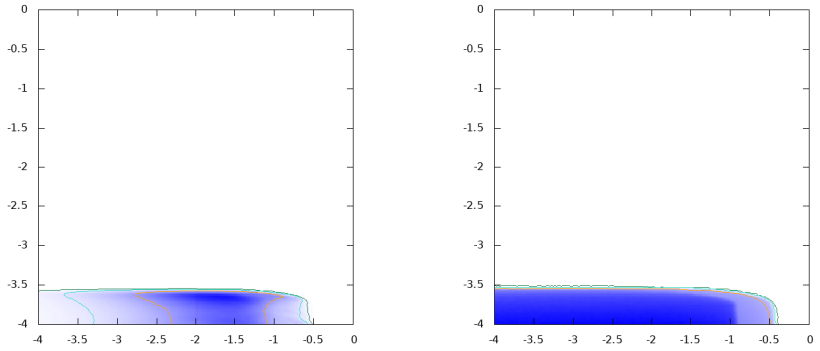
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 68: $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



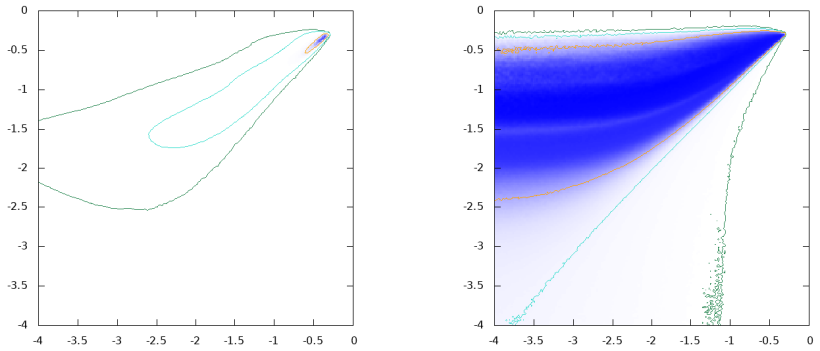
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 69: $\log_{10}\mathrm{BR}(A \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



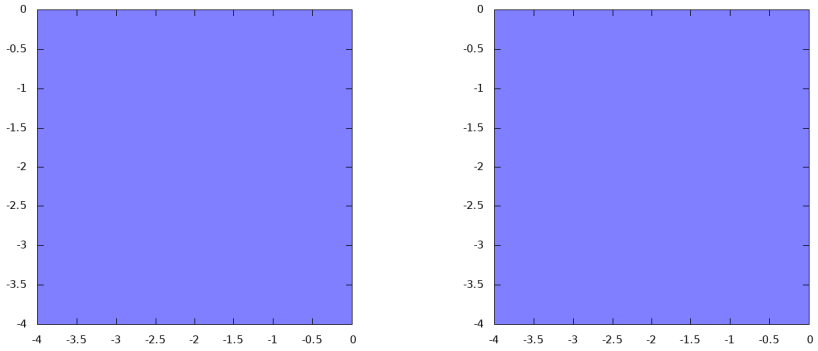
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 70: $\log_{10}\mathrm{BR}(A \to \bar{b}b)$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



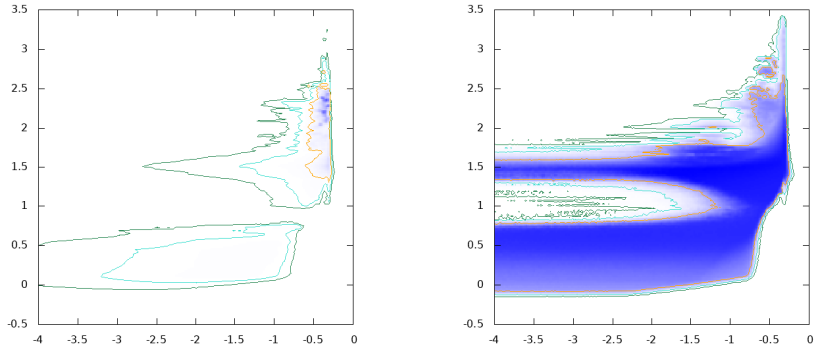
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 71: $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



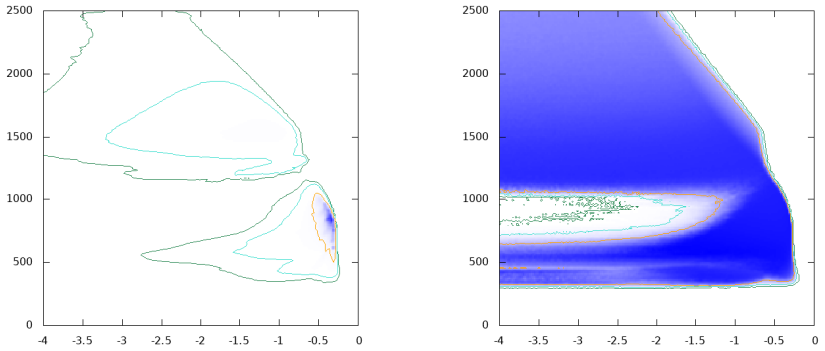
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 72: $\log_{10}\mathrm{BR}(A \to SS)$ vs. $\log_{10}\mathrm{BR}(A \to HZ)$



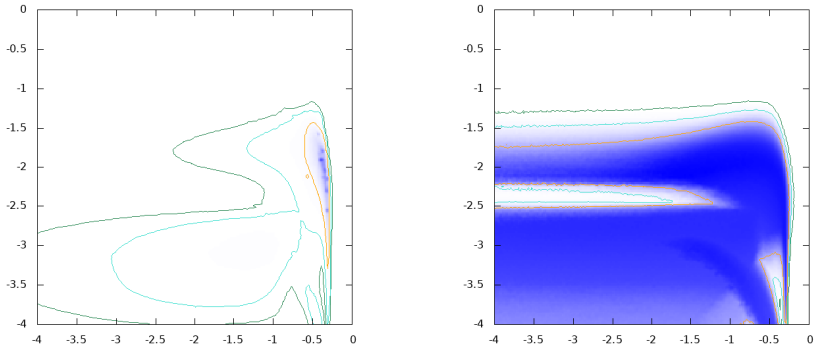
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 73: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$



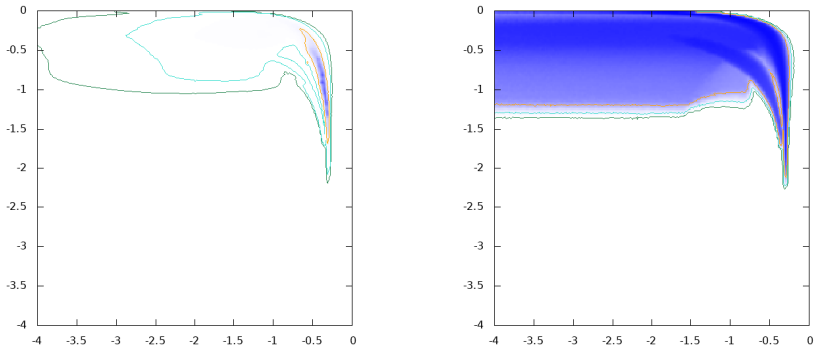
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 74: m_A GeV vs. $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$



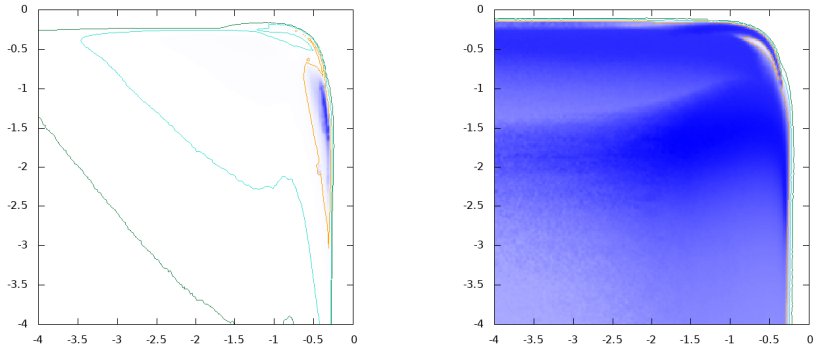
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 75: $\log_{10}\mathrm{BR}(A \to e^+e^-)$ vs. $\log_{10}\mathrm{BR}(A \to H^\pm W^\mp)$



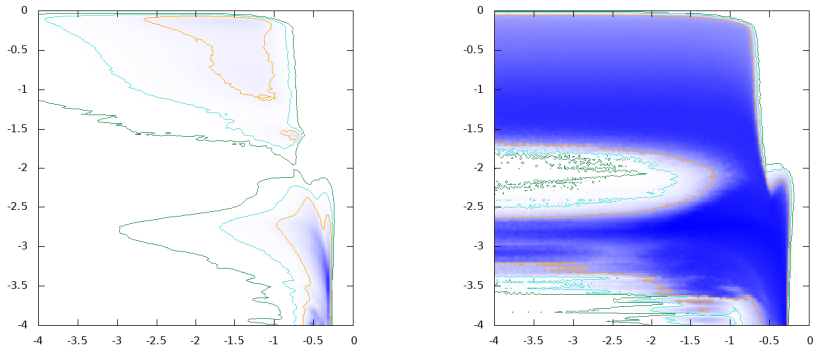
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 76: $\log_{10}\mathrm{BR}(A \to \mu^+\mu^-)$ vs. $\log_{10}\mathrm{BR}(A \to H^\pm W^\mp)$



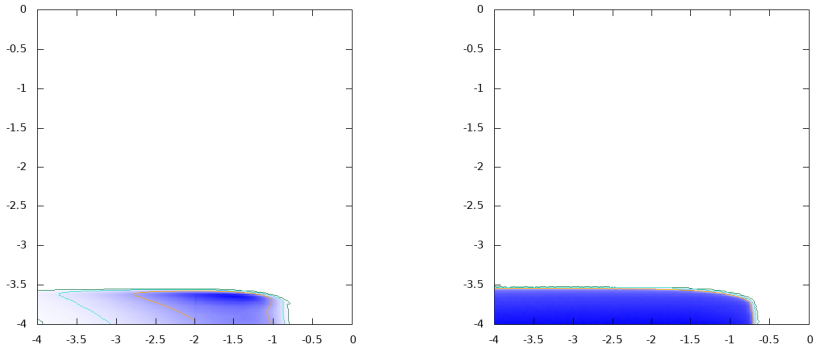
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 77: $\log_{10}\mathrm{BR}(A \to \tau^+\tau^-)$ vs. $\log_{10}\mathrm{BR}(A \to H^\pm W^\mp)$



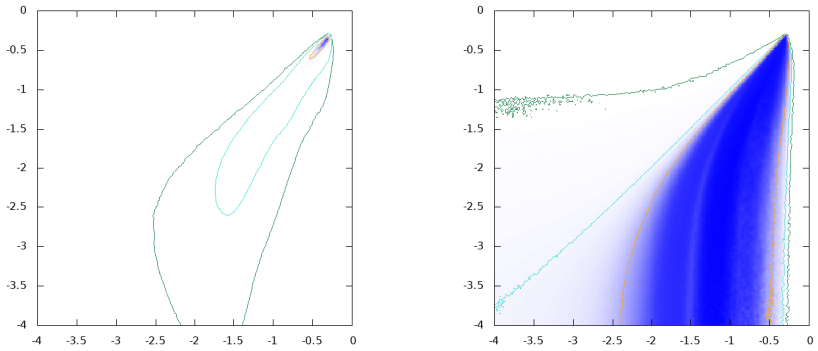
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 78: $\log_{10}\mathrm{BR}(A \to \bar{t}t)$ vs. $\log_{10}\mathrm{BR}(A \to H^\pm W^\mp)$



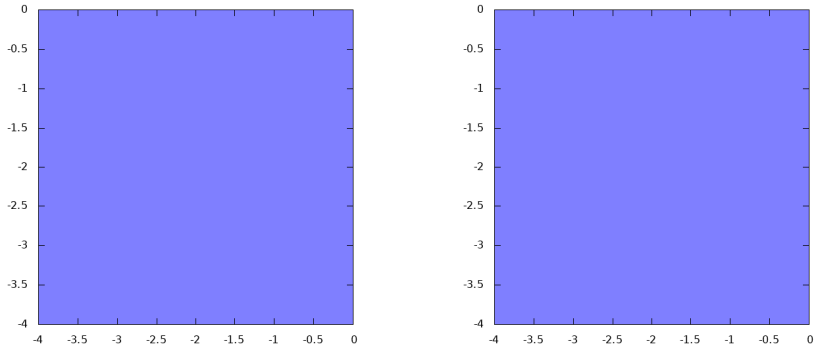
(a) PDF (b) $-2\ln(\mathcal{L})$

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



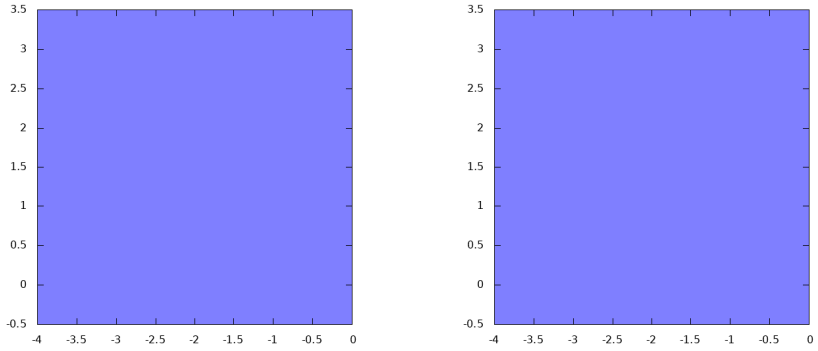
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 80: $\log_{10}\mathrm{BR}(A \to HZ)$ vs. $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$



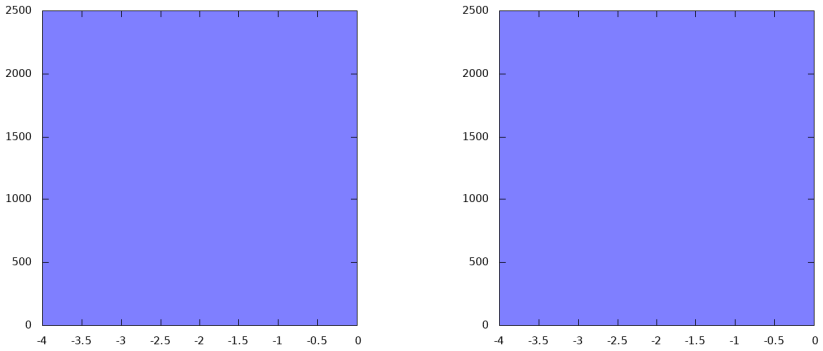
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 81: $\log_{10}\mathrm{BR}(A \to SS)$ vs. $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$



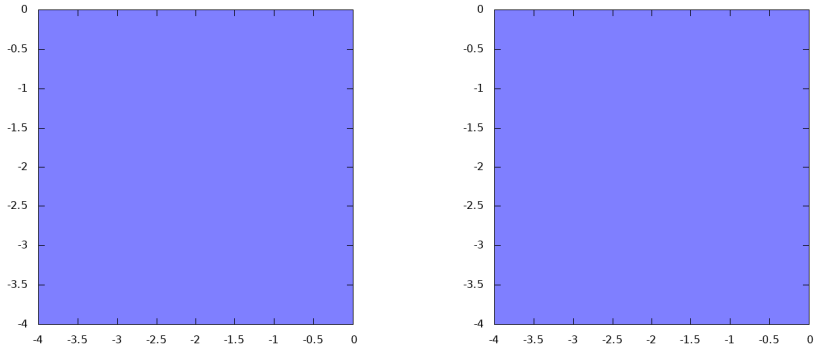
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 82: $\log_{10}\tan\beta$ vs. $\log_{10}\mathrm{BR}(A \to SS)$



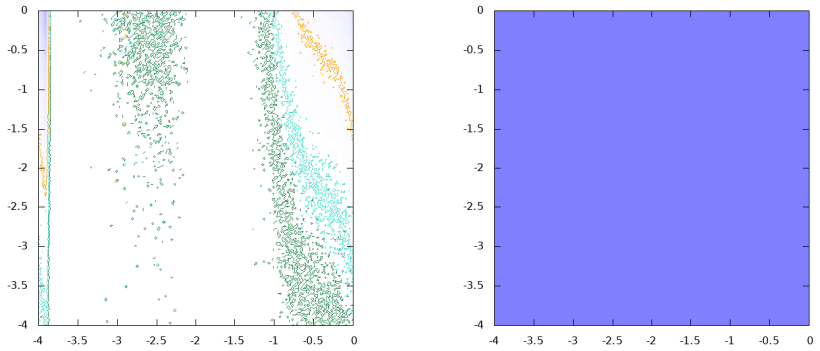
(a) PDF (b) $-2\ln(\mathcal{L})$

Figure 83: m_A GeV vs. $\log_{10}\mathrm{BR}(A \to SS)$



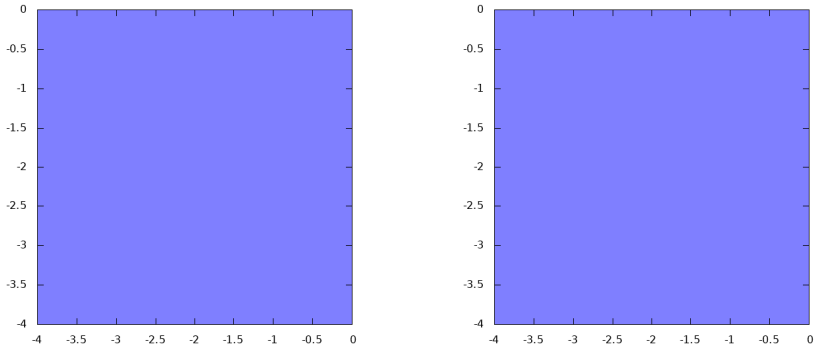
(a) PDF (b) $-2\ln(\mathcal{L})$

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



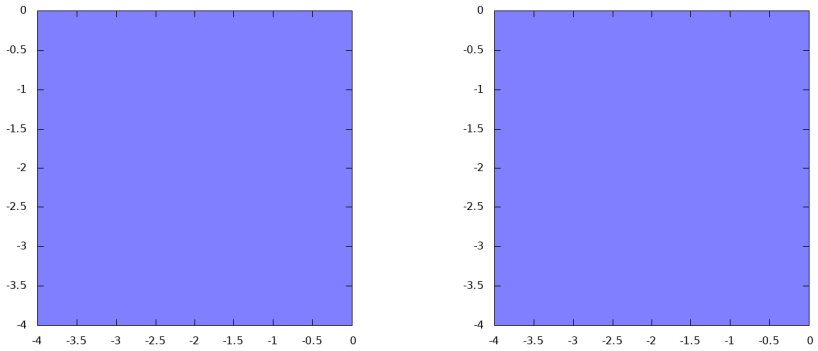
(a) PDF (b) $-2\ln(\mathcal{L})$

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



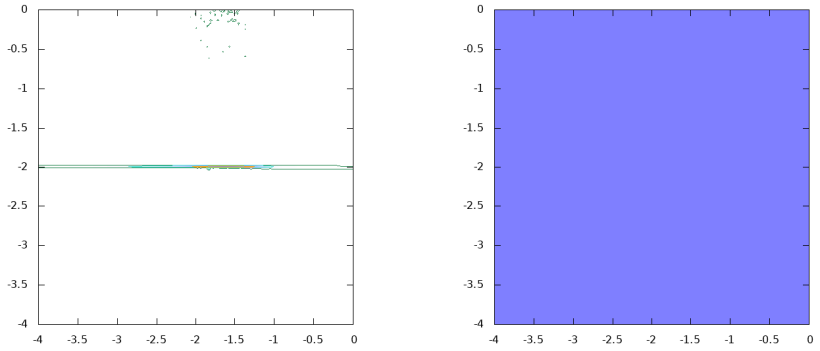
(a) PDF (b) $-2\ln(\mathcal{L})$

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



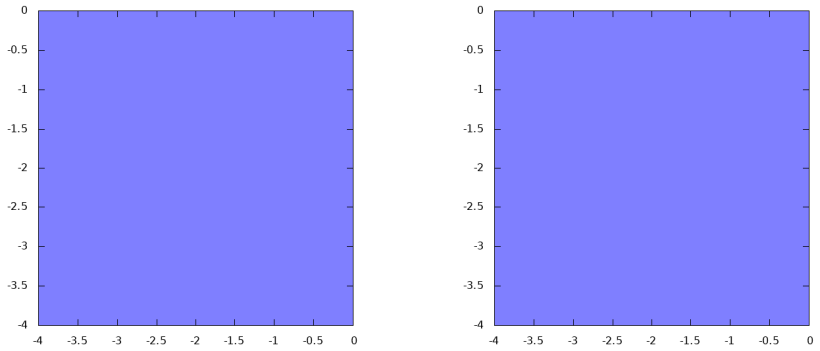
(a) PDF (b) $-2\ln(\mathcal{L})$

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



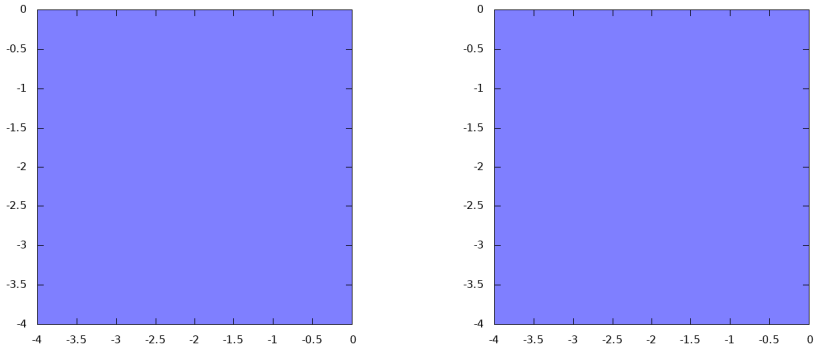
(a) PDF (b) $-2\ln(\mathcal{L})$

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



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

Figure 89: $\log_{10}\mathrm{BR}(A \to HZ)$ vs. $\log_{10}\mathrm{BR}(A \to SS)$



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

Figure 90: $\log_{10}\mathrm{BR}(A \to H^{\pm}W^{\mp})$ vs. $\log_{10}\mathrm{BR}(A \to SS)$