

Two-dimensional plots - Summary group 6

February 21, 2022

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110 $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$ 59

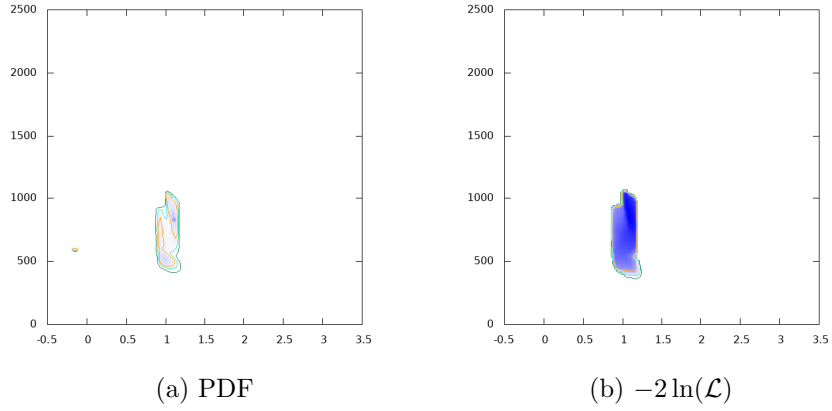


Figure 1: m_A GeV vs. $\log_{10} \tan \beta$

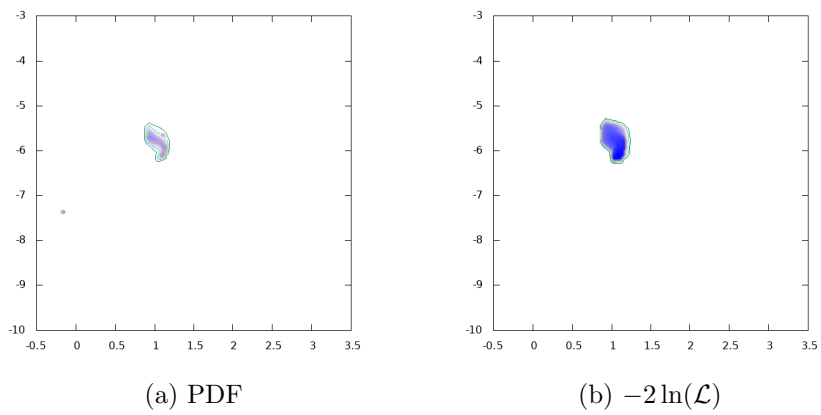


Figure 2: $\log_{10} |\delta a_\tau|$ vs. $\log_{10} \tan \beta$

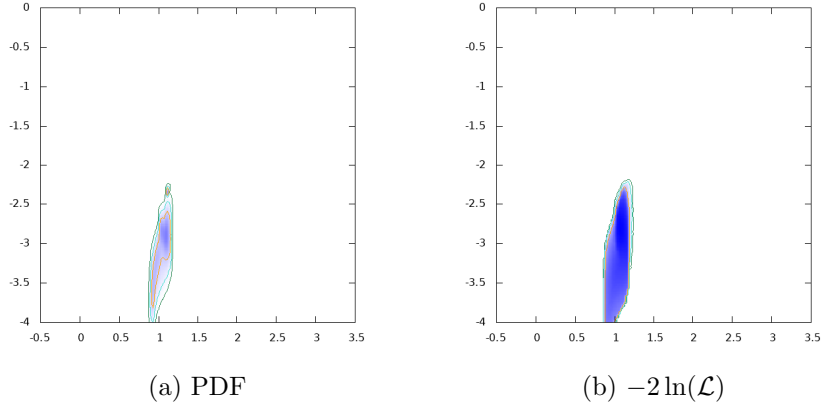


Figure 3: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10} \tan \beta$

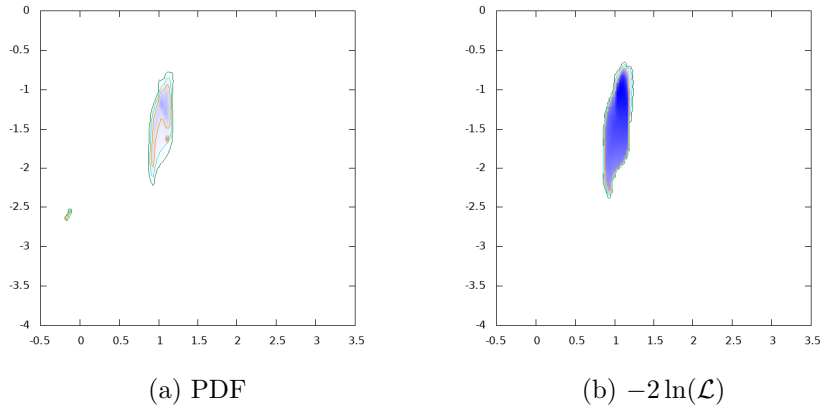
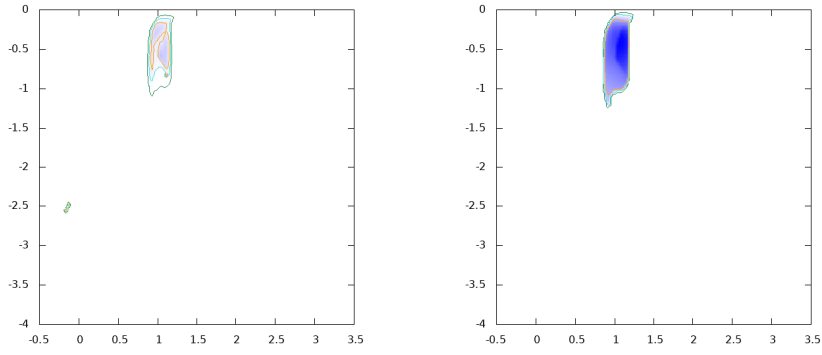


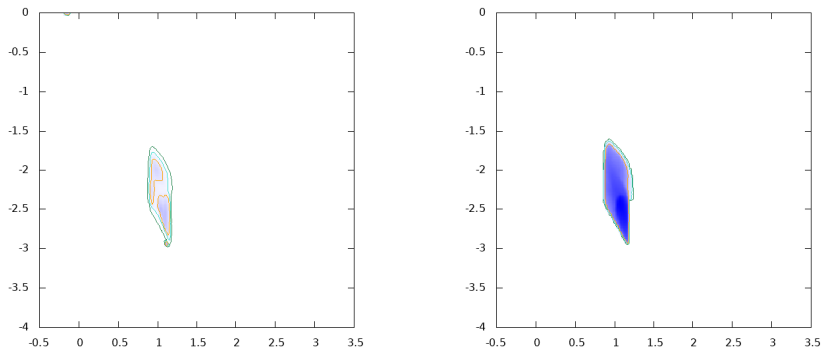
Figure 4: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10} \tan \beta$



(a) PDF

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

Figure 5: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10} \tan \beta$



(a) PDF

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

Figure 6: $\log_{10}\text{BR}(A \rightarrow t\bar{t})$ vs. $\log_{10} \tan \beta$

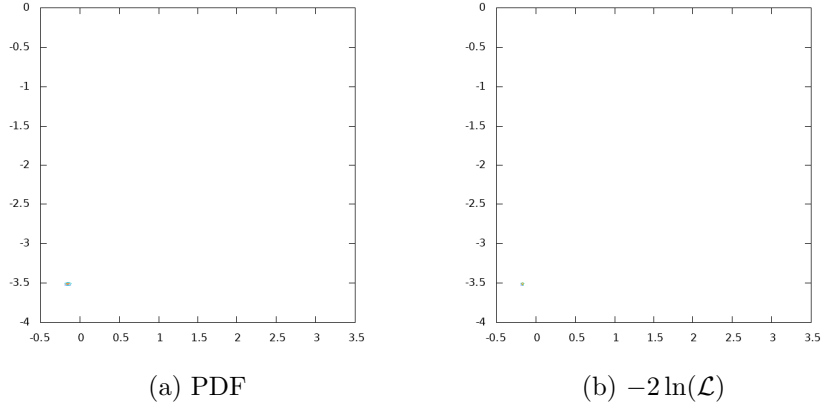


Figure 7: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10} \tan \beta$

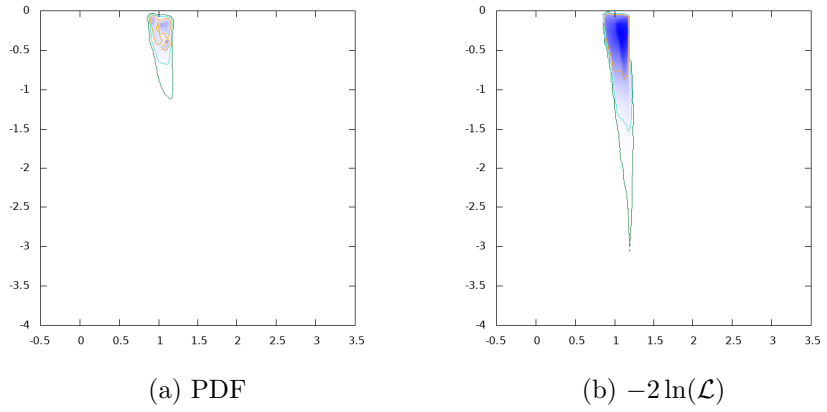


Figure 8: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10} \tan \beta$

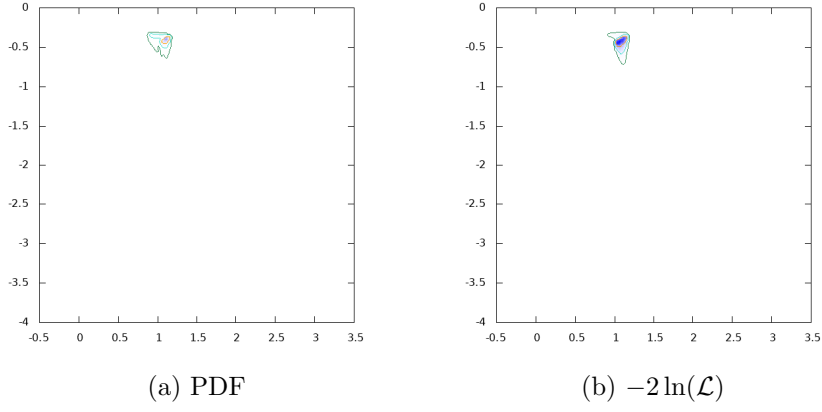


Figure 9: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10} \tan \beta$

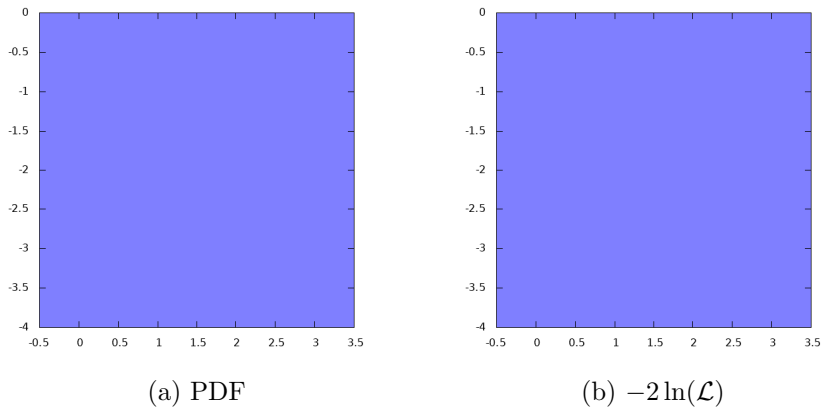


Figure 10: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10} \tan \beta$

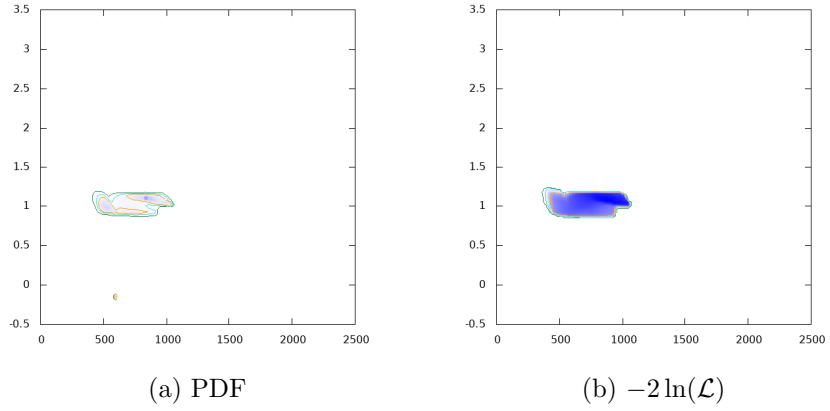


Figure 11: $\log_{10} \tan \beta$ vs. m_A GeV

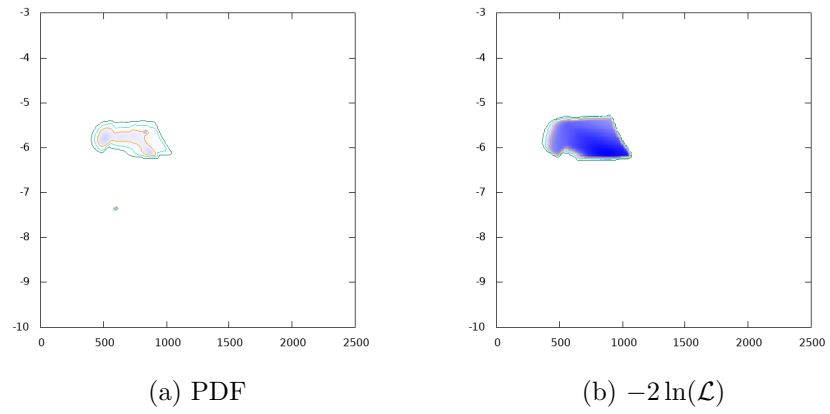


Figure 12: $\log_{10} |\delta a_\tau|$ vs. m_A GeV

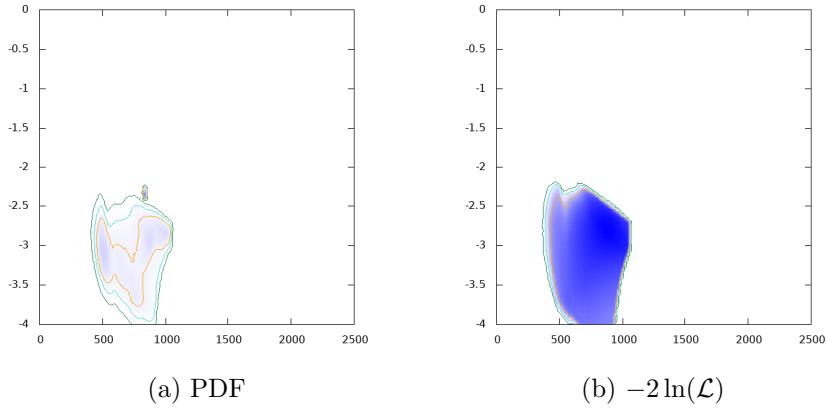


Figure 13: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. m_A GeV

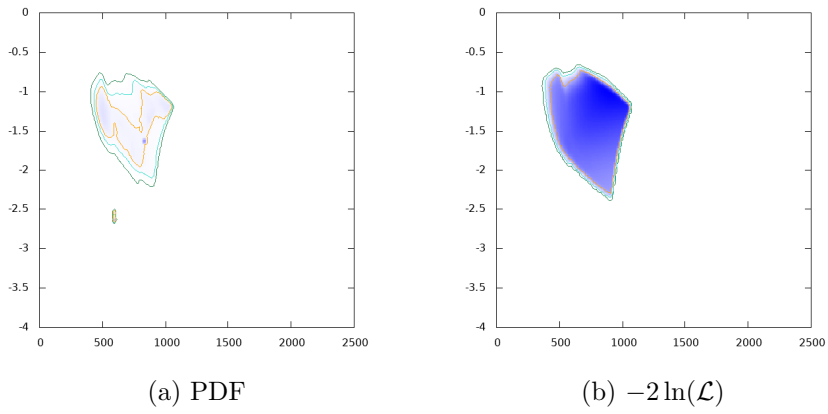
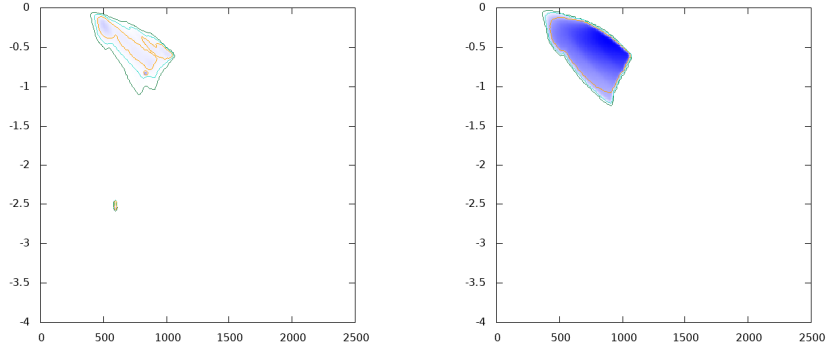


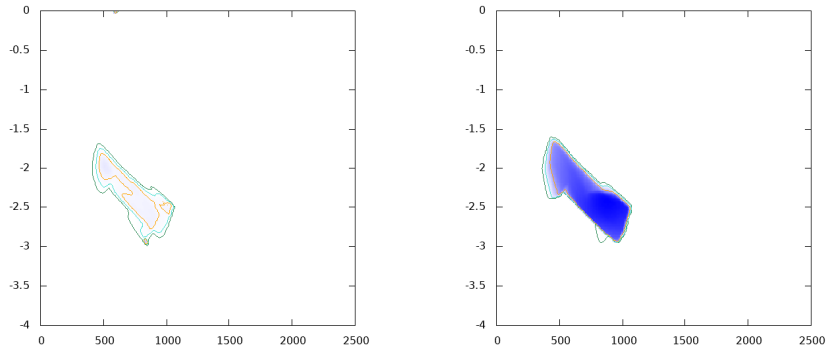
Figure 14: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. m_A GeV



(a) PDF

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

Figure 15: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. m_A GeV



(a) PDF

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

Figure 16: $\log_{10}\text{BR}(A \rightarrow t\bar{t})$ vs. m_A GeV

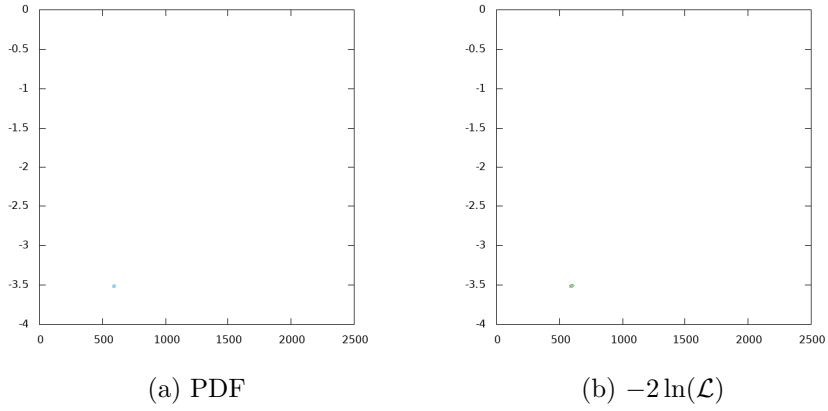


Figure 17: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. m_A GeV

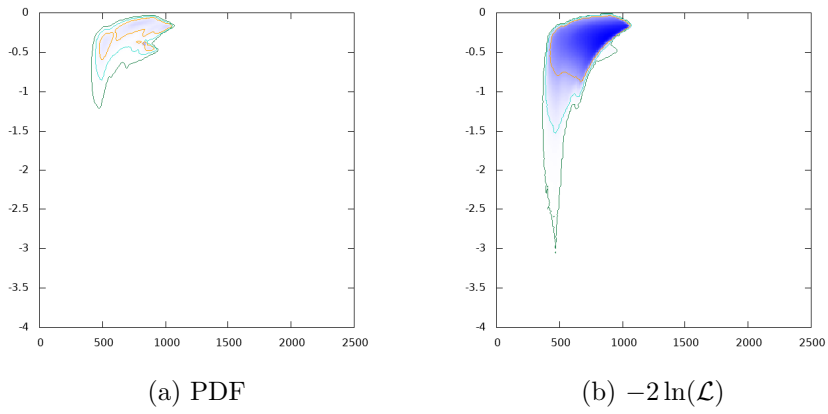
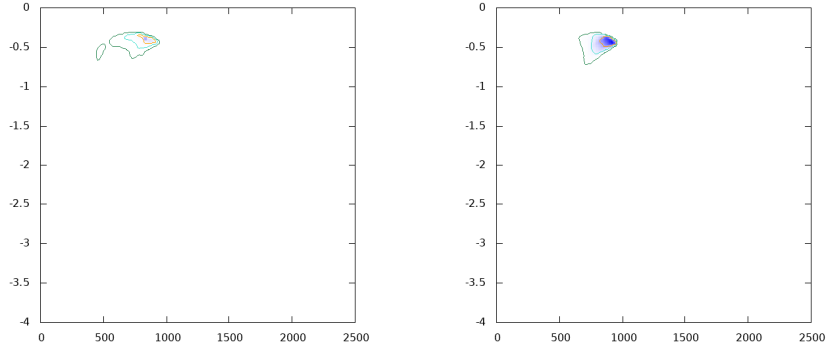


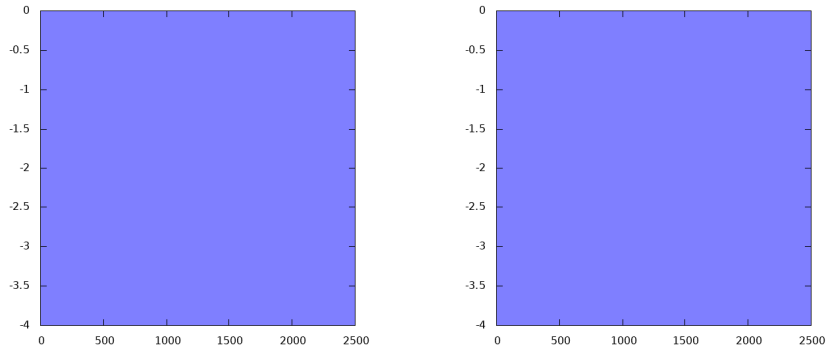
Figure 18: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. m_A GeV



(a) PDF

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

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



(a) PDF

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

Figure 20: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. m_A GeV

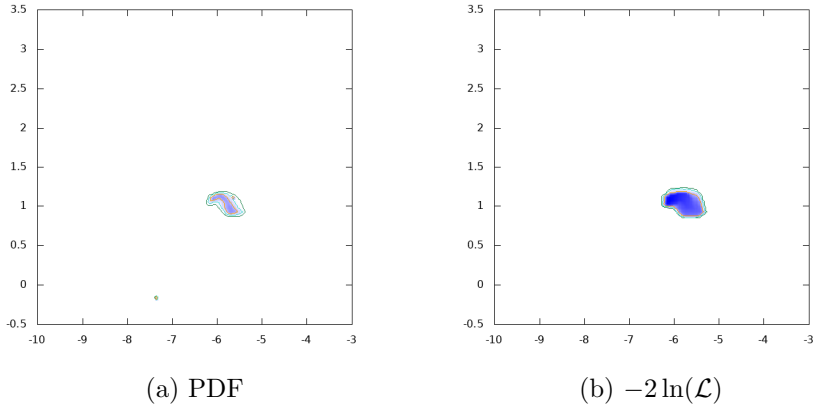


Figure 21: $\log_{10} \tan \beta$ vs. $\log_{10} |\delta a_\tau|$

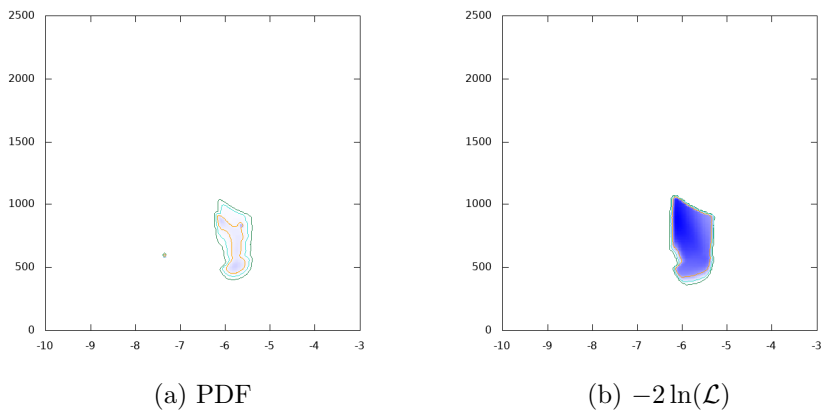


Figure 22: m_A GeV vs. $\log_{10} |\delta a_\tau|$

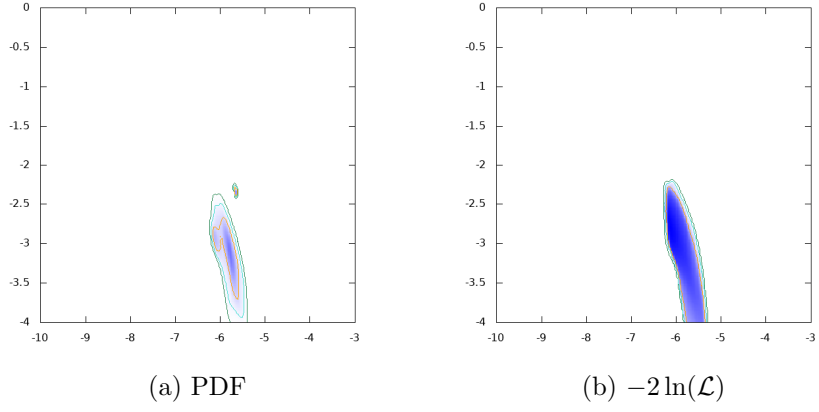


Figure 23: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}|\delta a_\tau|$

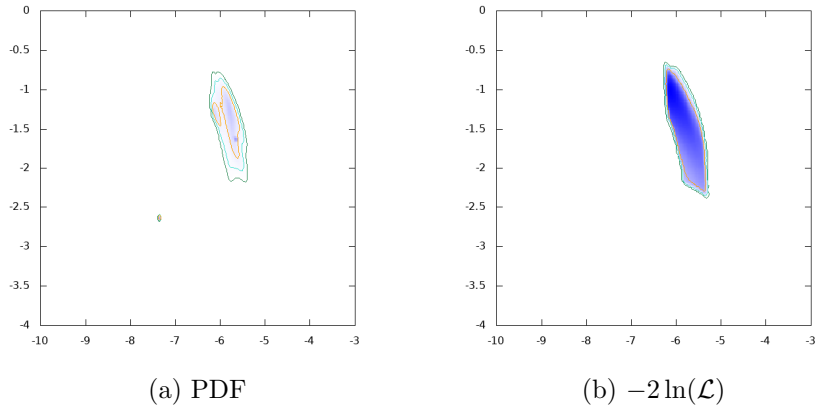
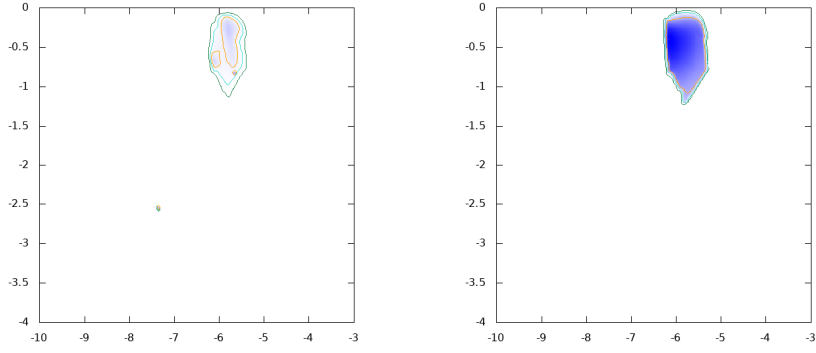


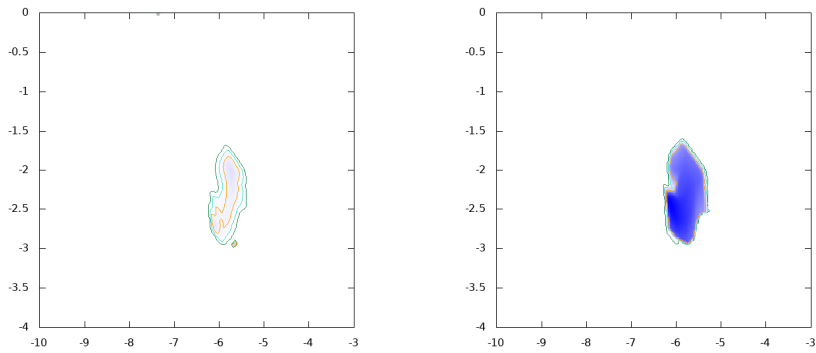
Figure 24: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}|\delta a_\tau|$



(a) PDF

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

Figure 25: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}|\delta a_\tau|$



(a) PDF

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

Figure 26: $\log_{10}\text{BR}(A \rightarrow t\bar{t})$ vs. $\log_{10}|\delta a_\tau|$

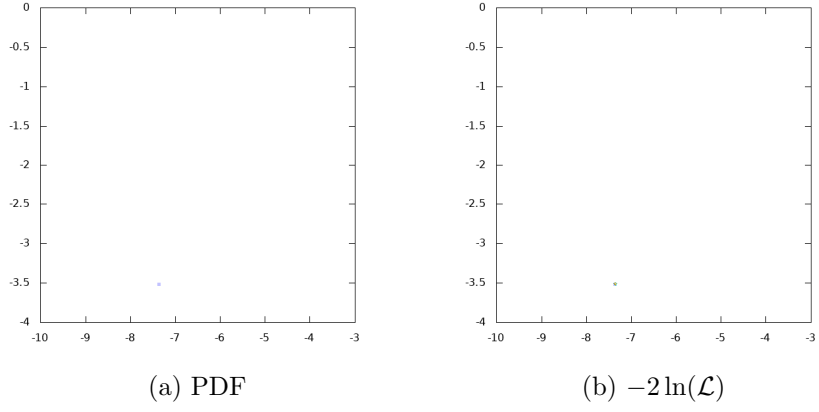


Figure 27: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}|\delta a_\tau|$

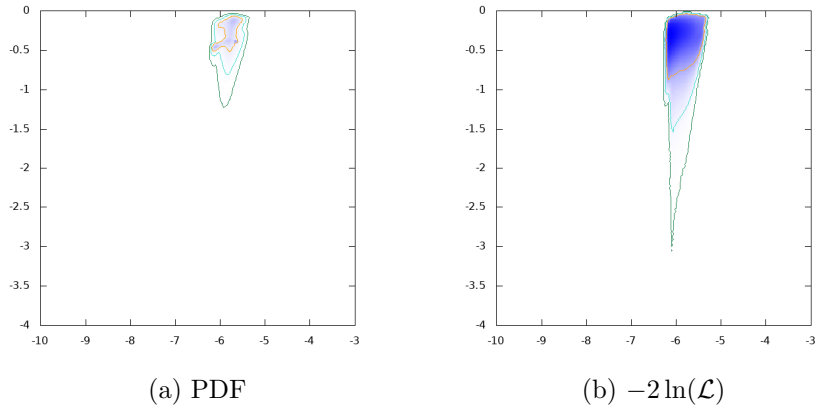


Figure 28: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}|\delta a_\tau|$

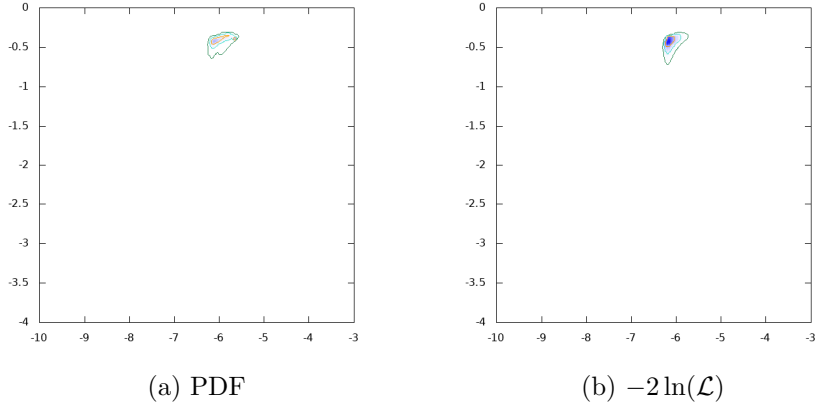


Figure 29: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}|\delta a_\tau|$

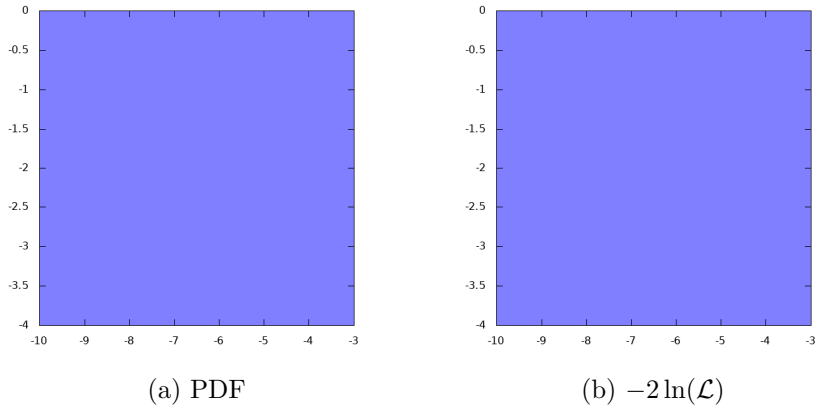


Figure 30: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}|\delta a_\tau|$

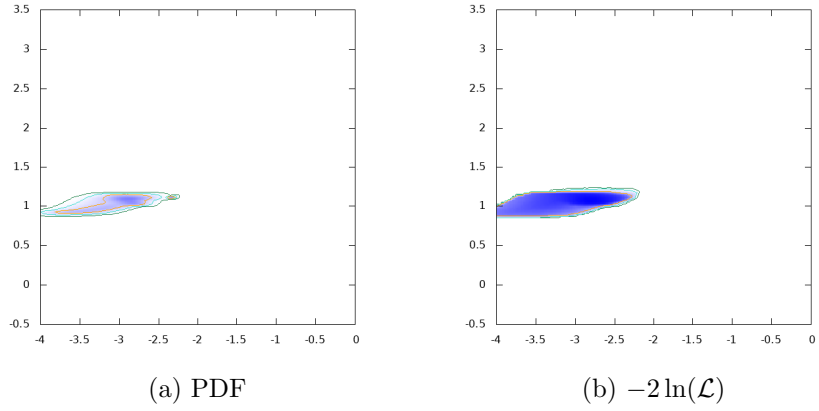


Figure 31: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow e^+e^-)$

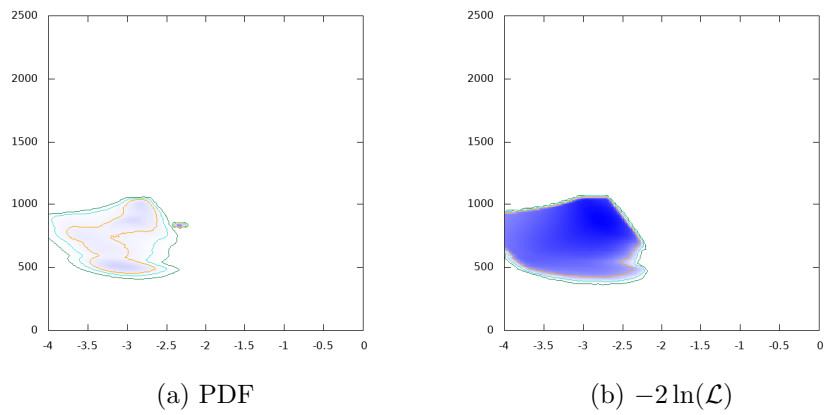


Figure 32: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow e^+e^-)$

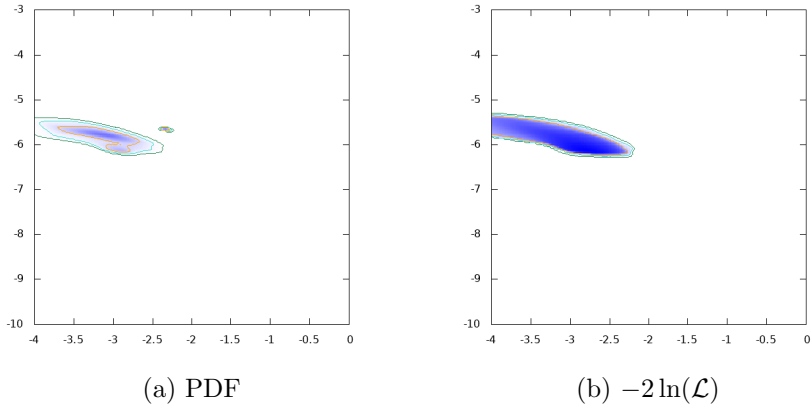


Figure 33: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

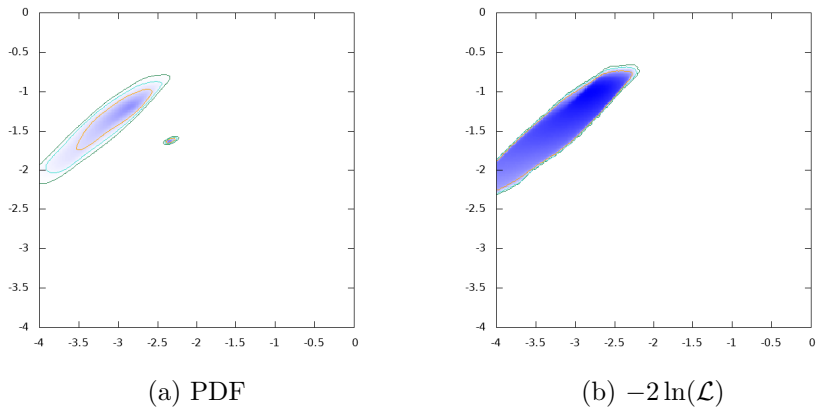


Figure 34: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

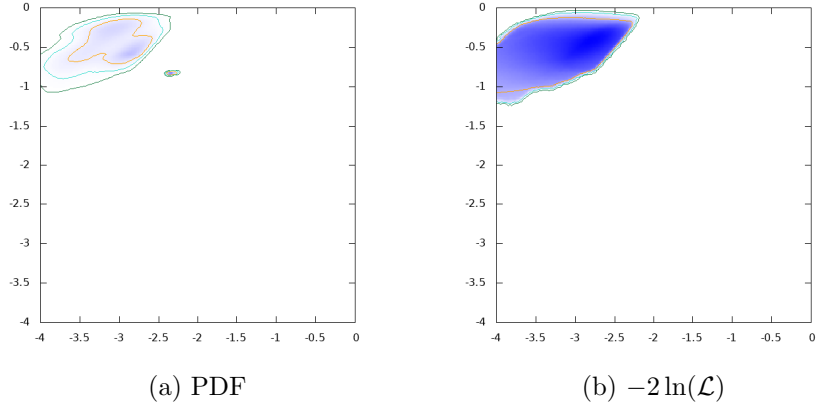


Figure 35: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

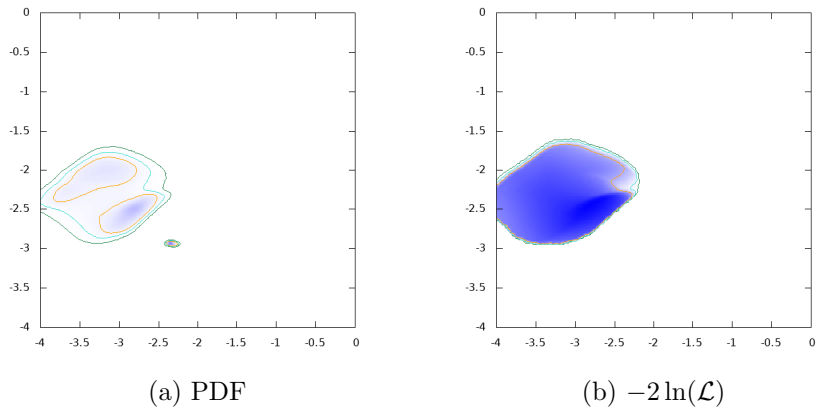
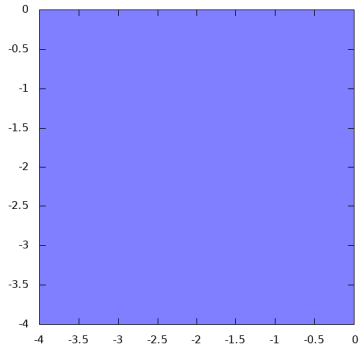
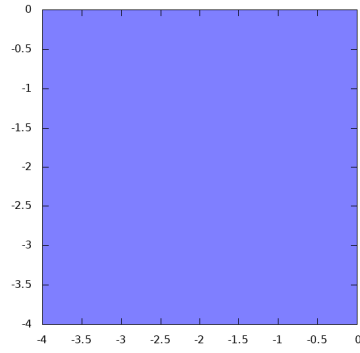


Figure 36: $\log_{10}\text{BR}(A \rightarrow t\bar{t})$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

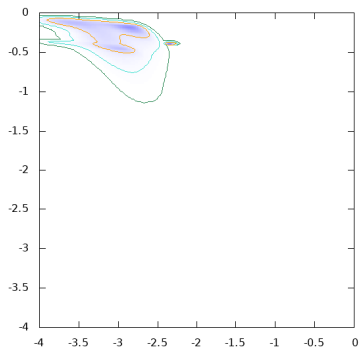


(a) PDF

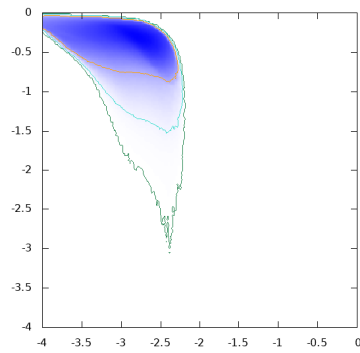


(b) $-2\ln(\mathcal{L})$

Figure 37: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$



(a) PDF



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

Figure 38: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

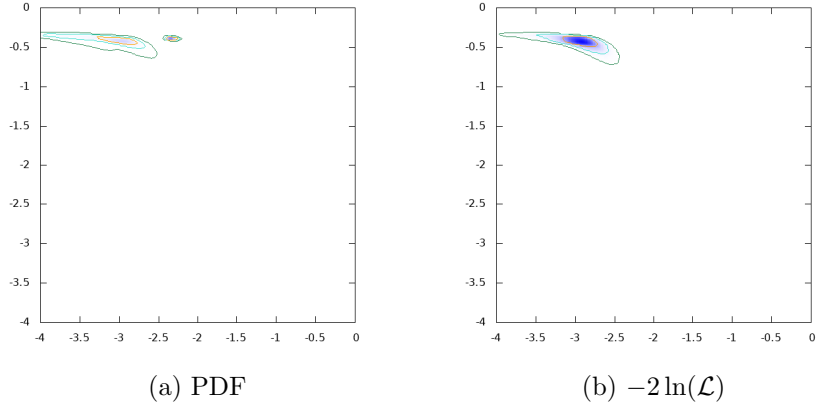


Figure 39: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

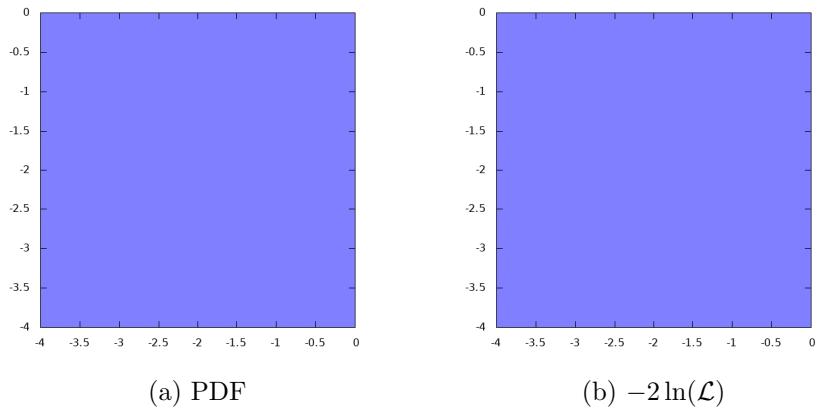


Figure 40: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow e^+e^-)$

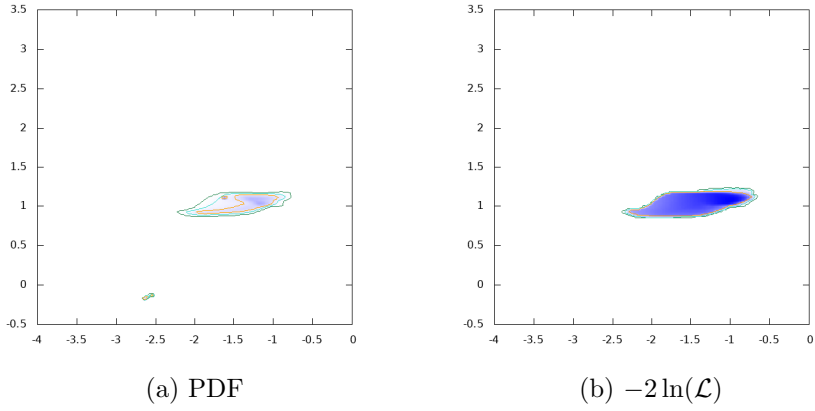


Figure 41: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow \mu^+ \mu^-)$

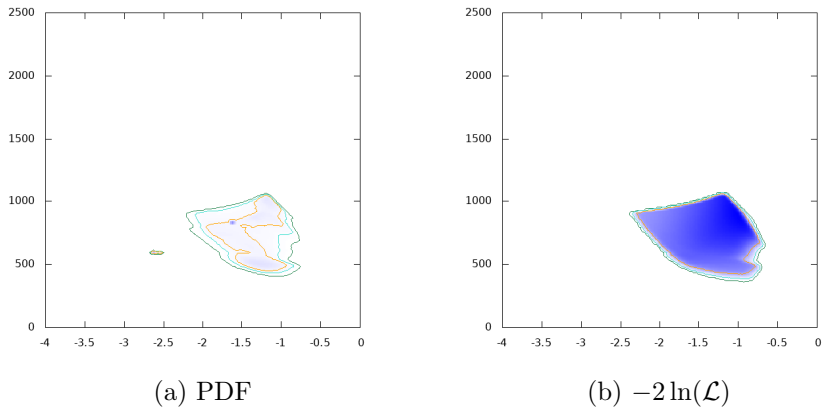


Figure 42: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow \mu^+ \mu^-)$

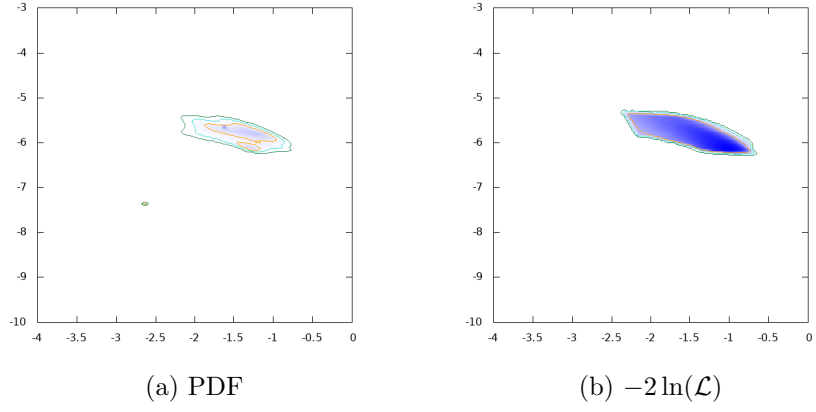


Figure 43: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$

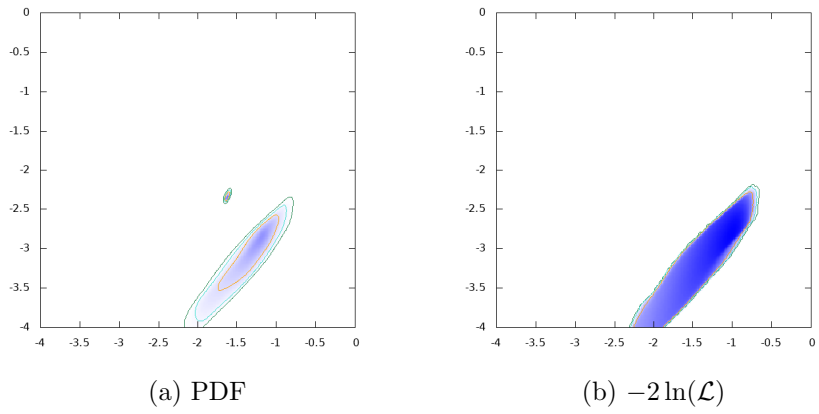


Figure 44: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$

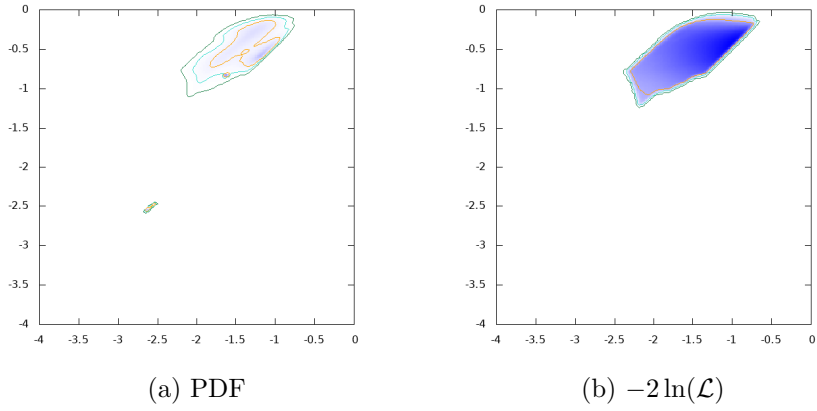


Figure 45: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$

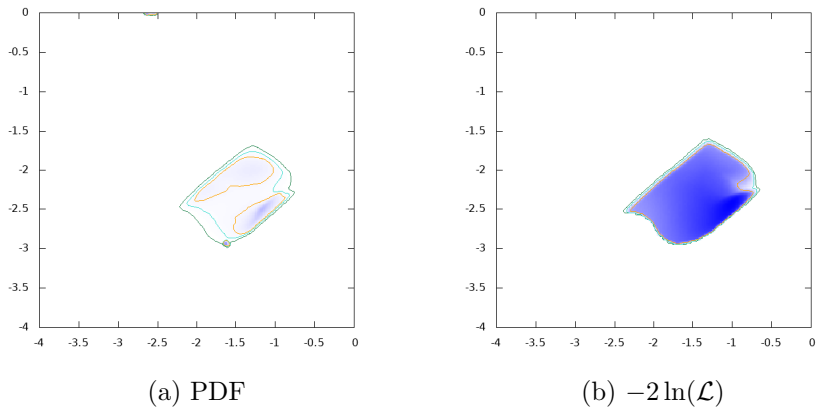


Figure 46: $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$

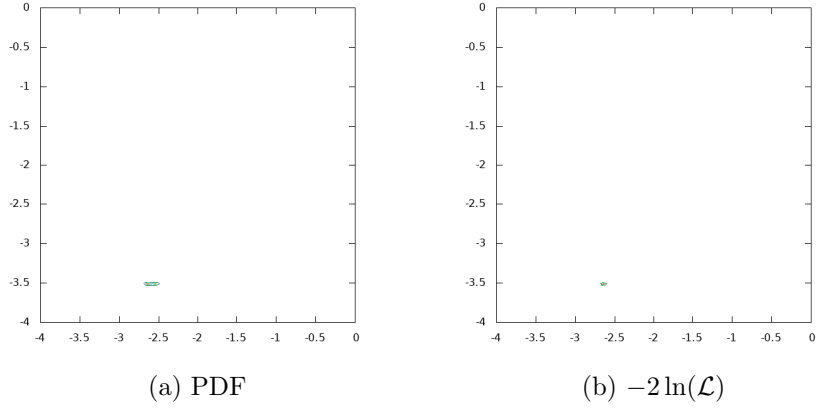


Figure 47: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$

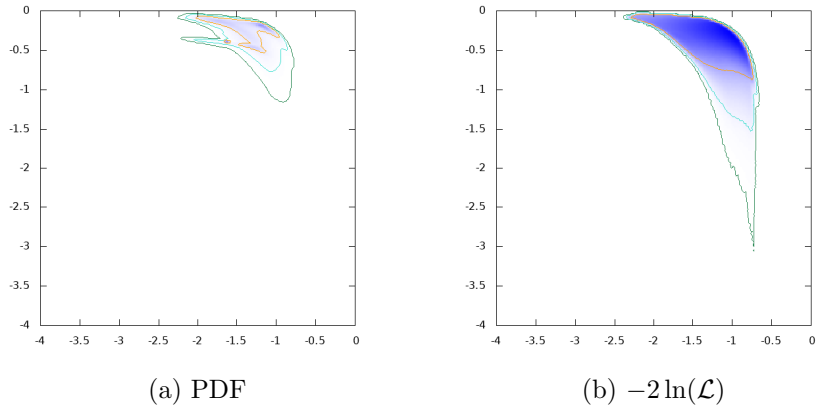


Figure 48: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$

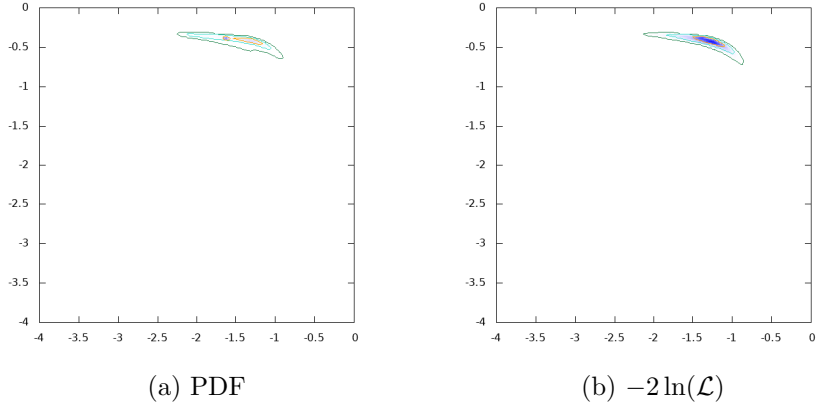


Figure 49: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+ \mu^-)$

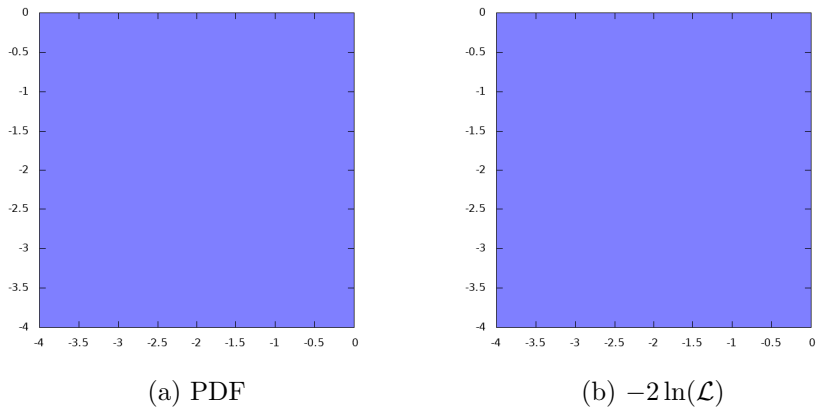


Figure 50: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow \mu^+ \mu^-)$

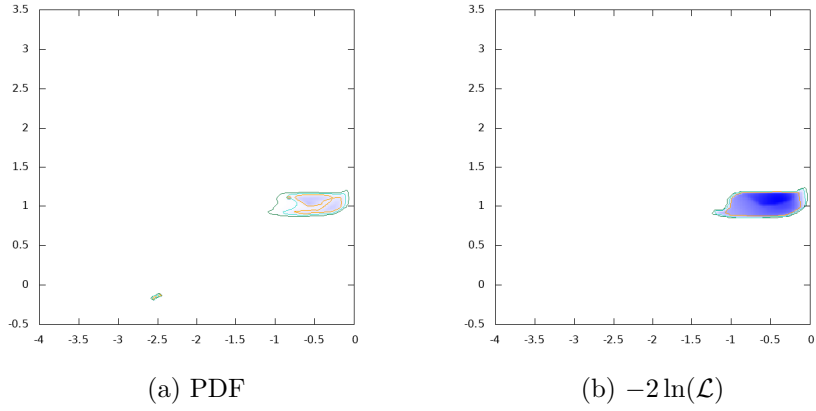


Figure 51: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow \tau^+ \tau^-)$

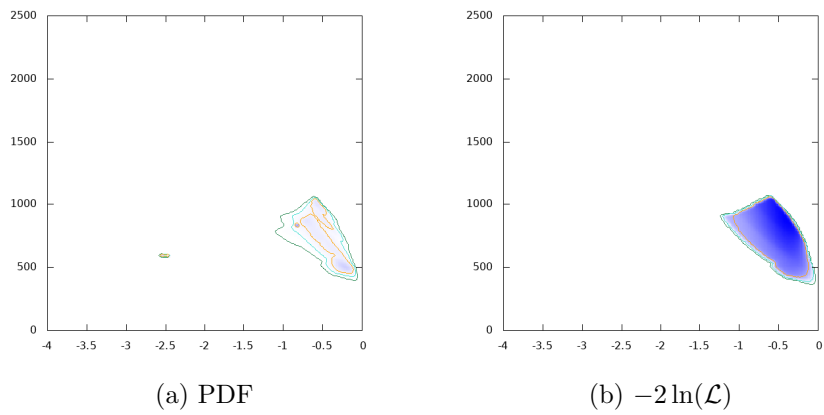


Figure 52: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow \tau^+ \tau^-)$

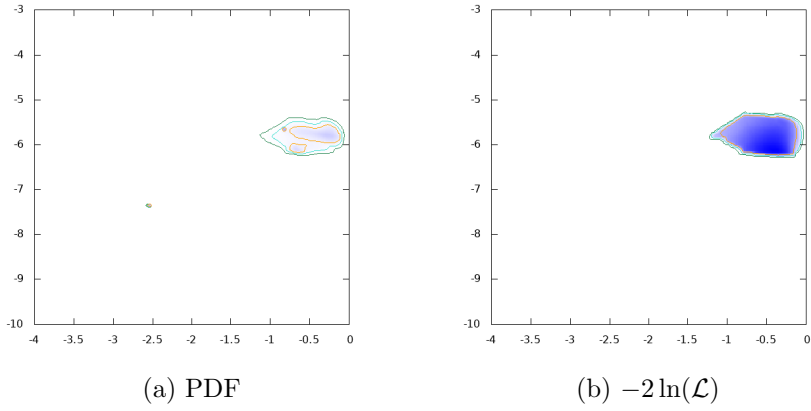


Figure 53: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$

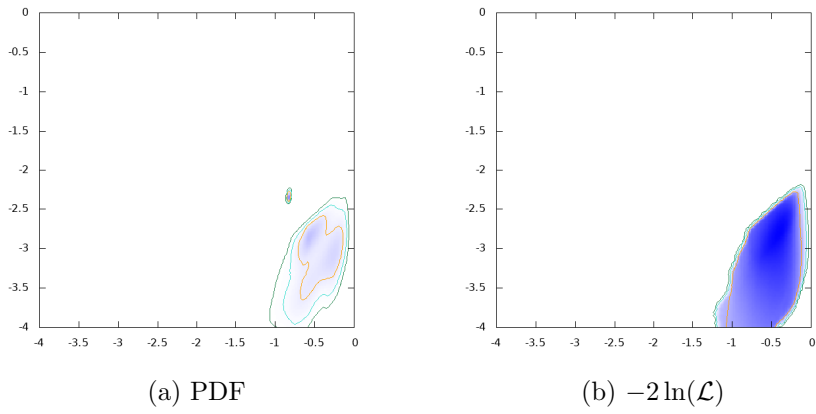


Figure 54: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$

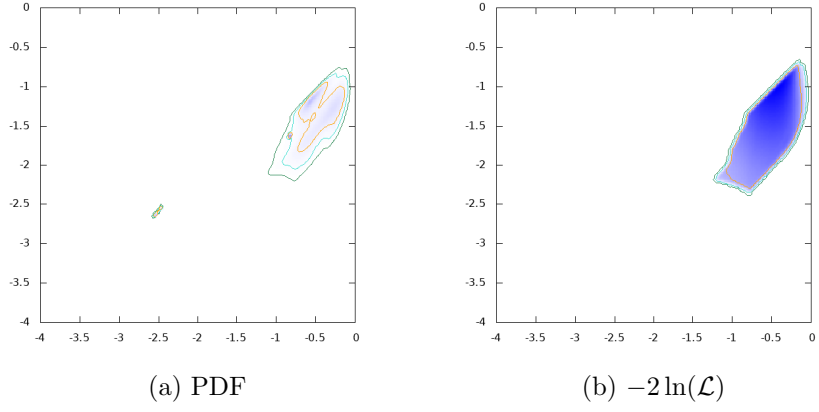


Figure 55: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$

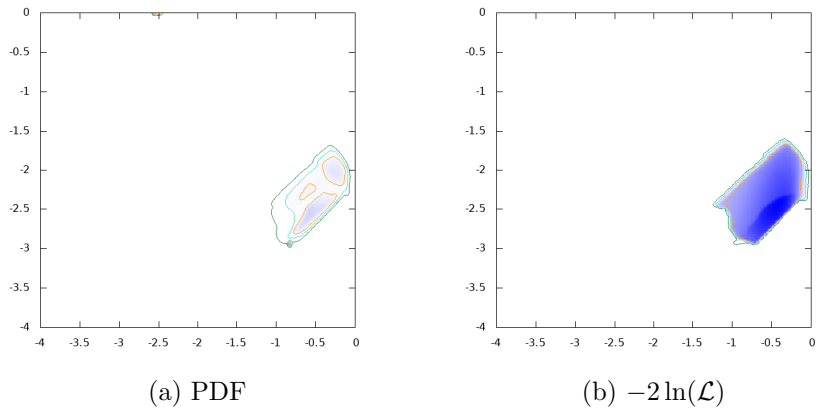
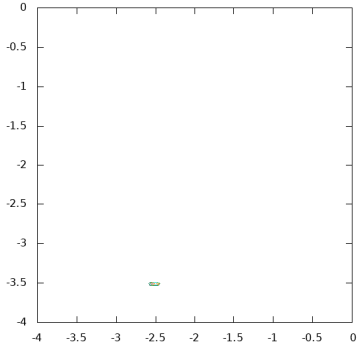
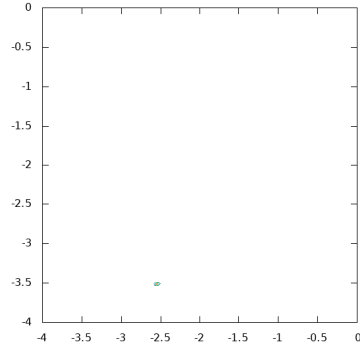


Figure 56: $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$

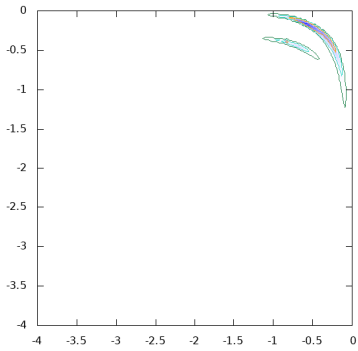


(a) PDF

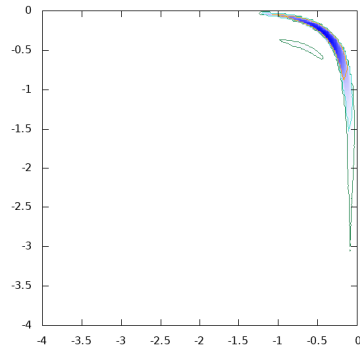


(b) $-2\ln(\mathcal{L})$

Figure 57: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$



(a) PDF



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

Figure 58: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$

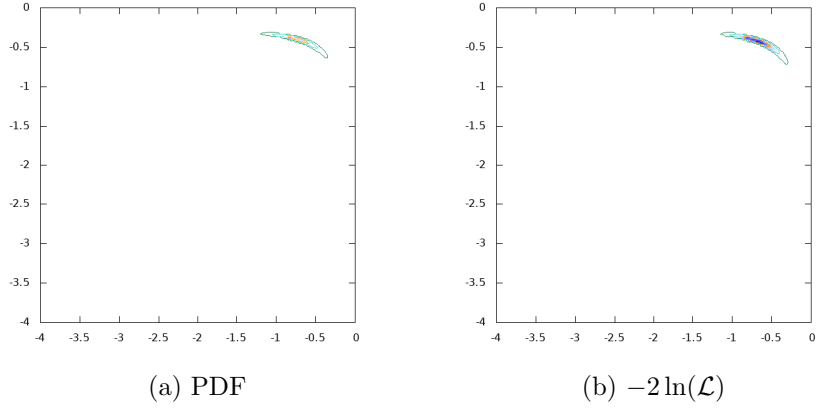


Figure 59: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+ \tau^-)$

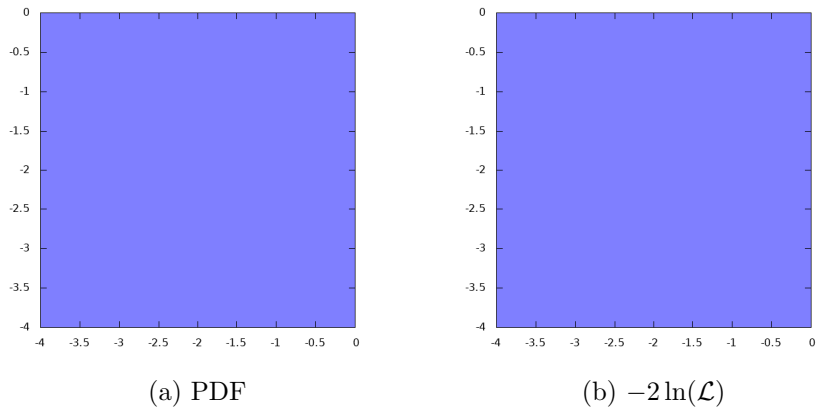
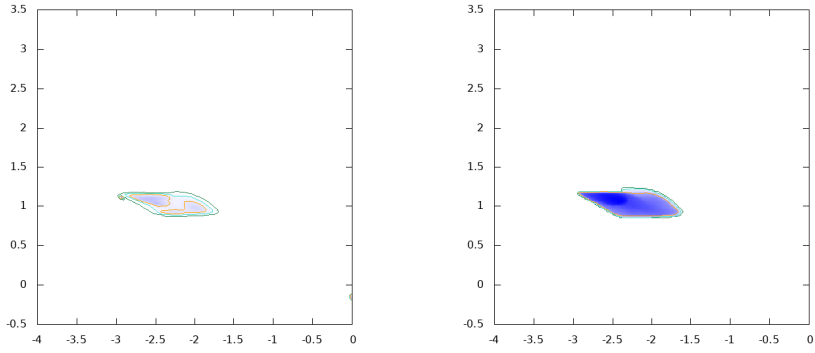


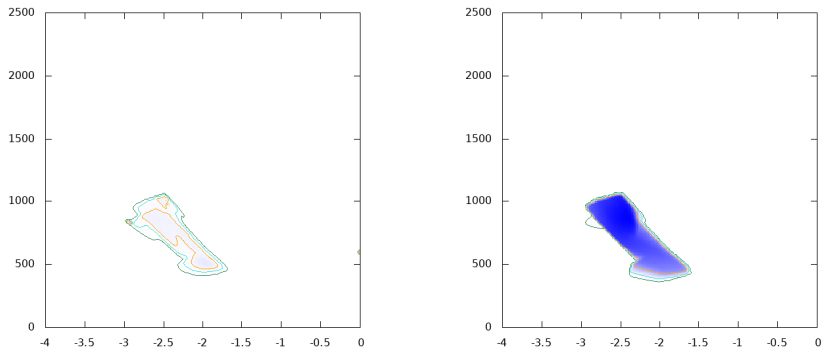
Figure 60: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow \tau^+ \tau^-)$



(a) PDF

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

Figure 61: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow t\bar{t})$



(a) PDF

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

Figure 62: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow t\bar{t})$

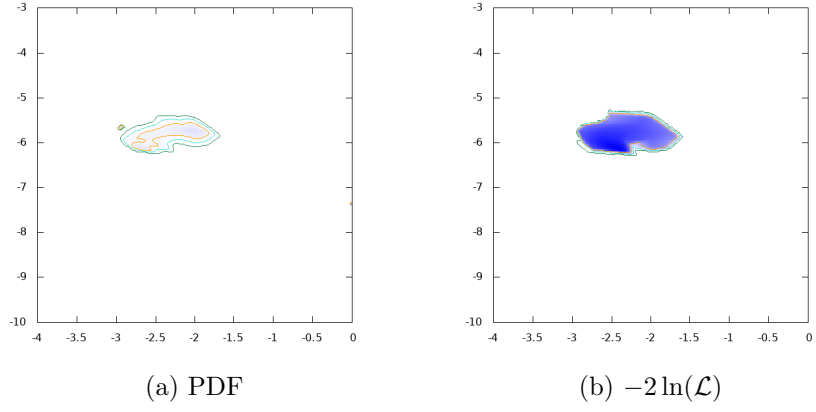


Figure 63: $\log_{10}|\delta a_7|$ vs. $\log_{10}\text{BR}(A \rightarrow t\bar{t})$

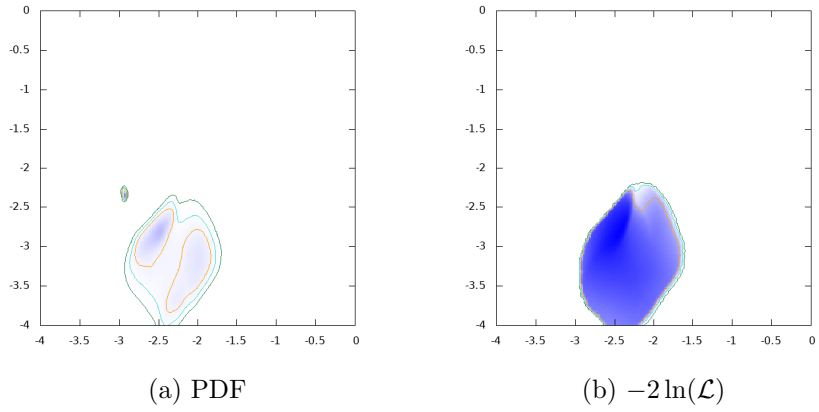


Figure 64: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow t\bar{t})$

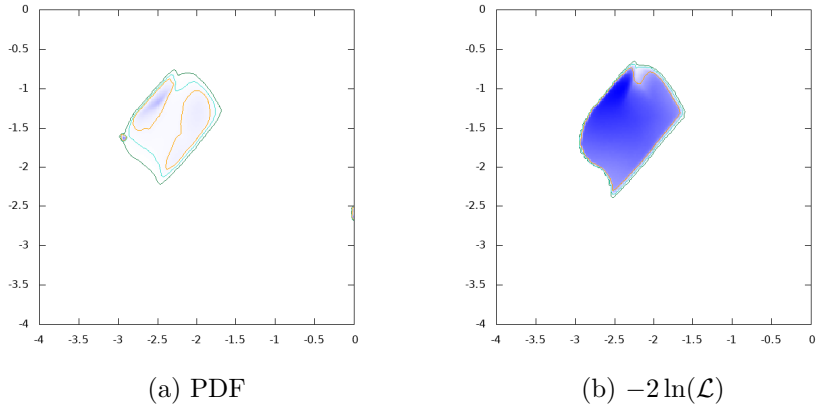


Figure 65: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$

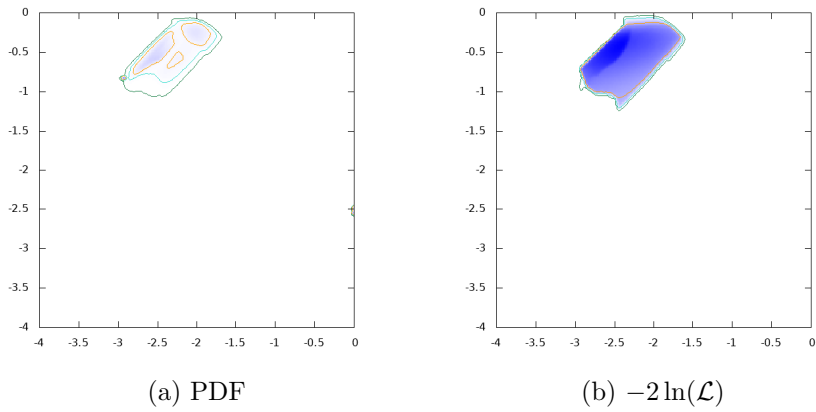


Figure 66: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$

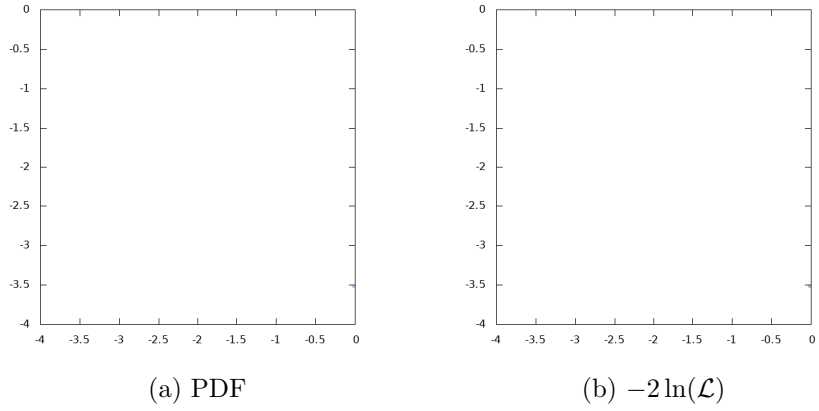


Figure 67: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$

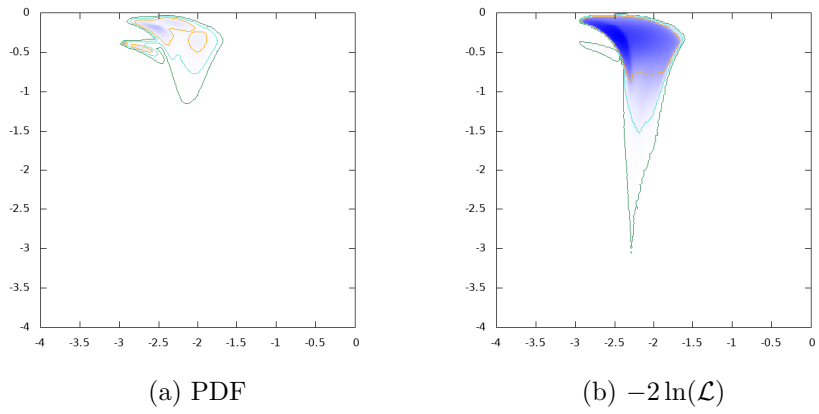


Figure 68: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$

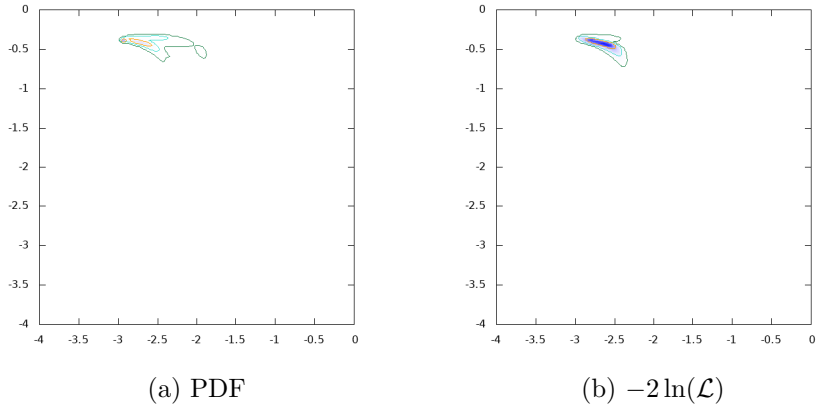


Figure 69: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$

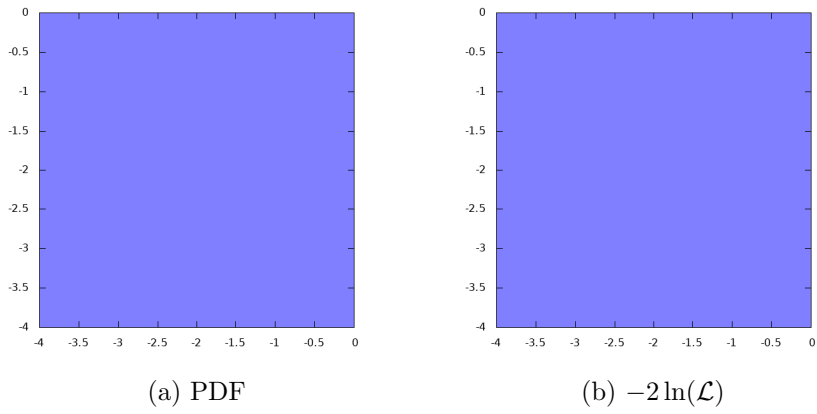


Figure 70: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$

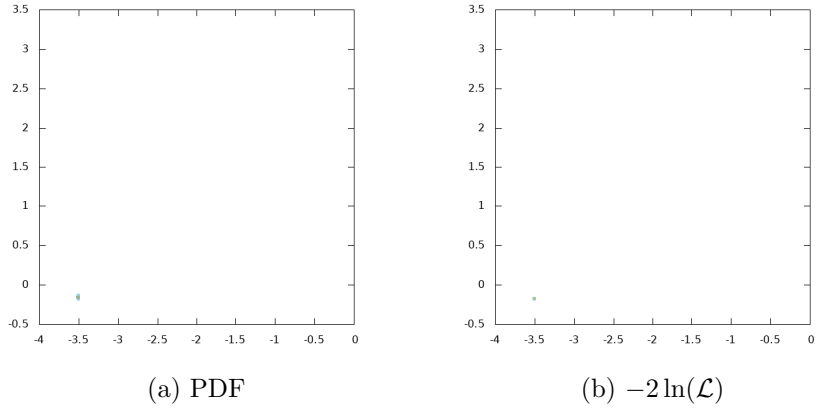


Figure 71: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow \bar{b}b)$

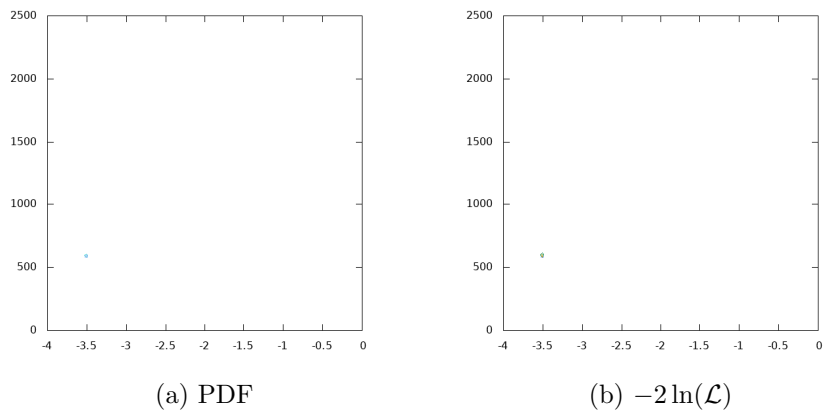


Figure 72: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow \bar{b}b)$

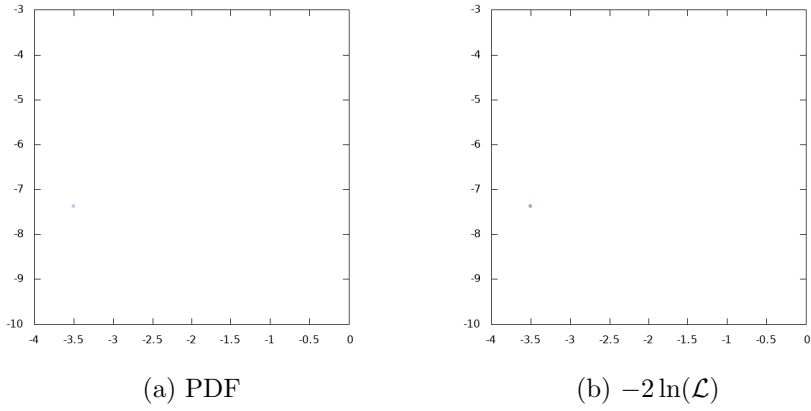


Figure 73: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

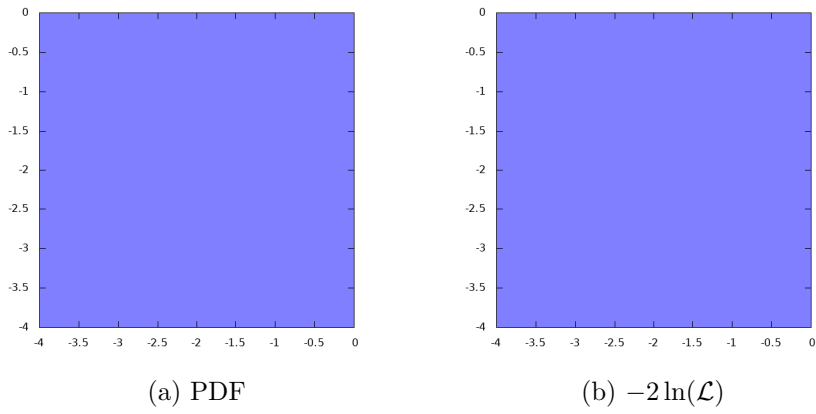


Figure 74: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

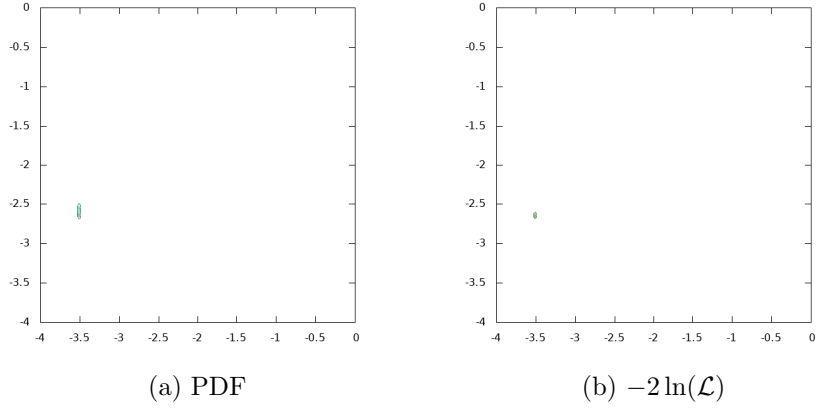


Figure 75: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

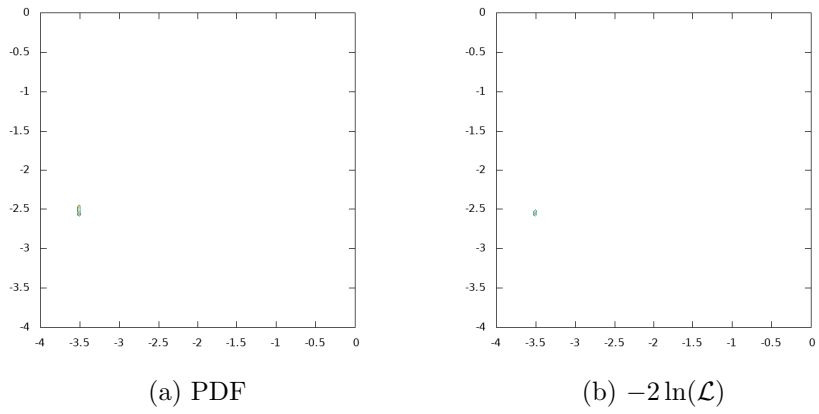


Figure 76: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

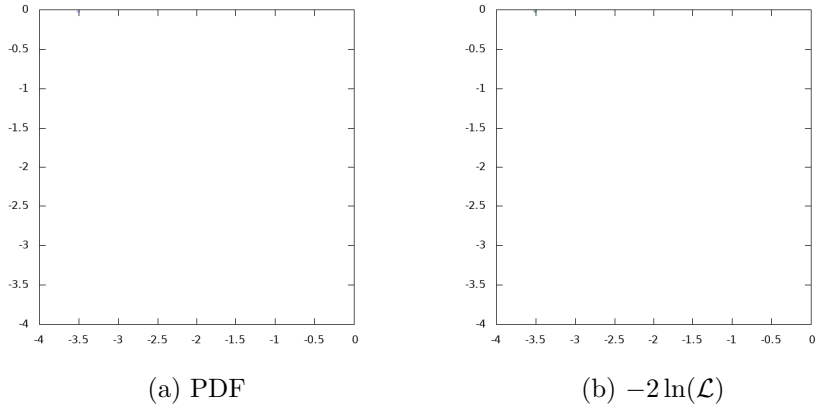


Figure 77: $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

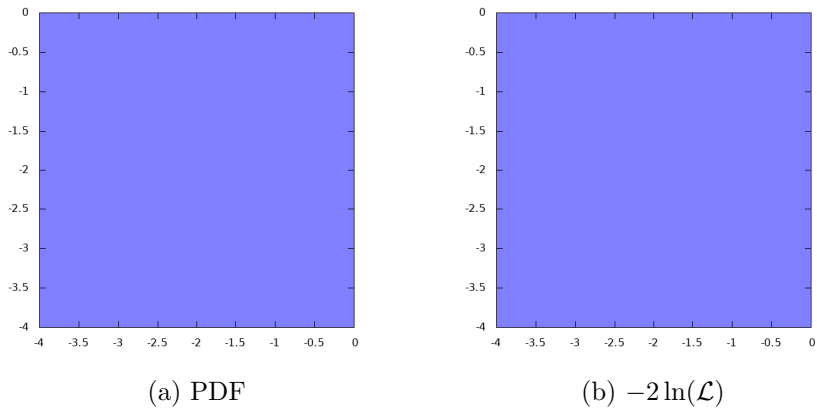


Figure 78: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

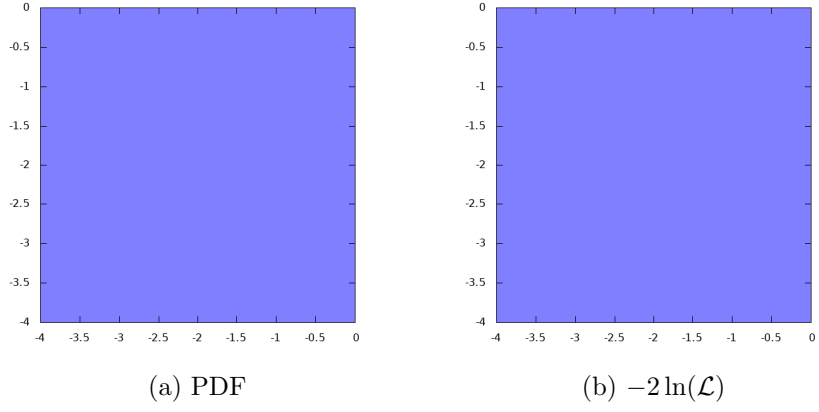


Figure 79: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

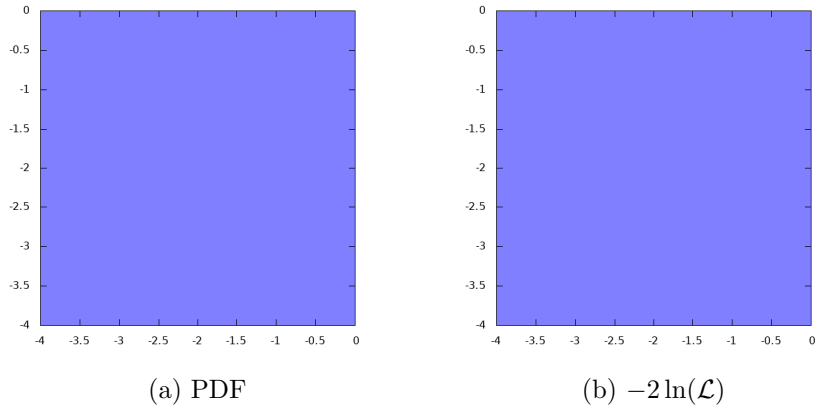


Figure 80: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$

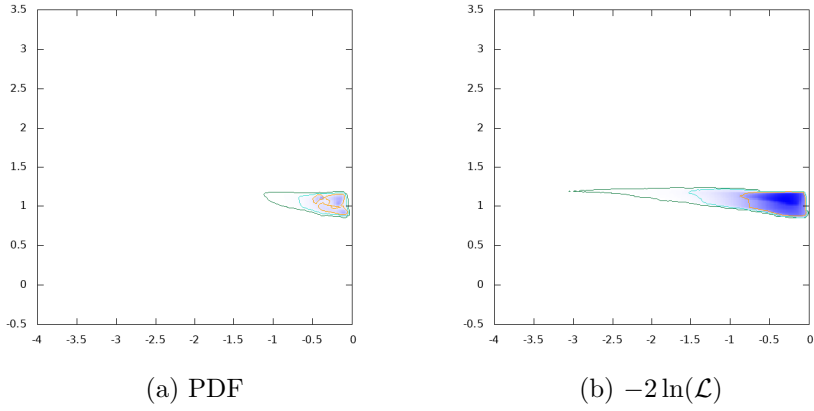


Figure 81: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow HZ)$

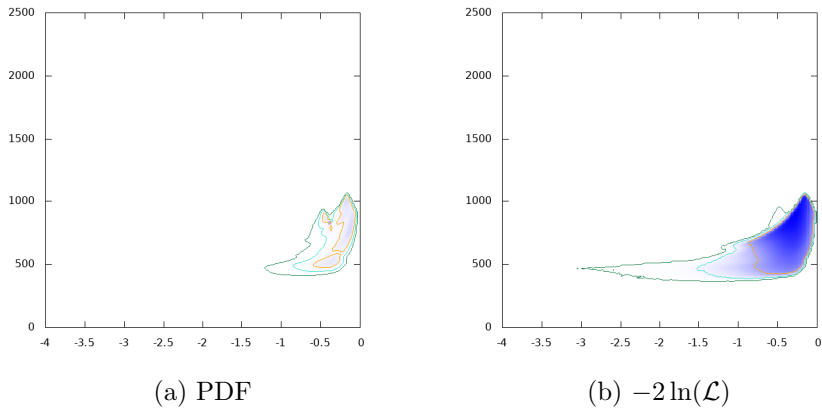


Figure 82: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow HZ)$

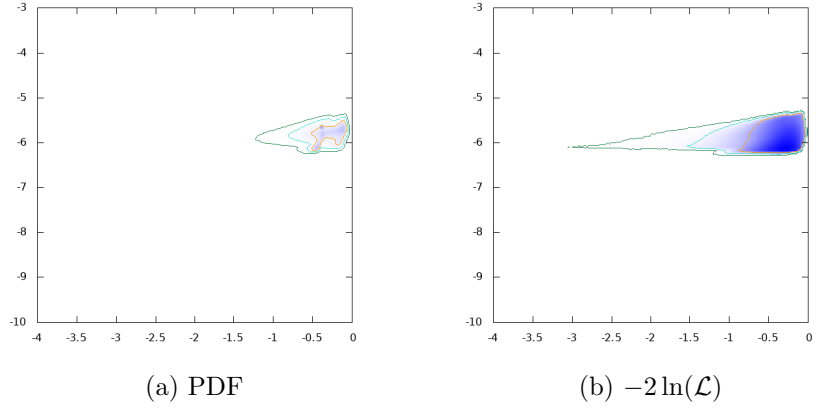


Figure 83: $\log_{10}|\delta a_7|$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

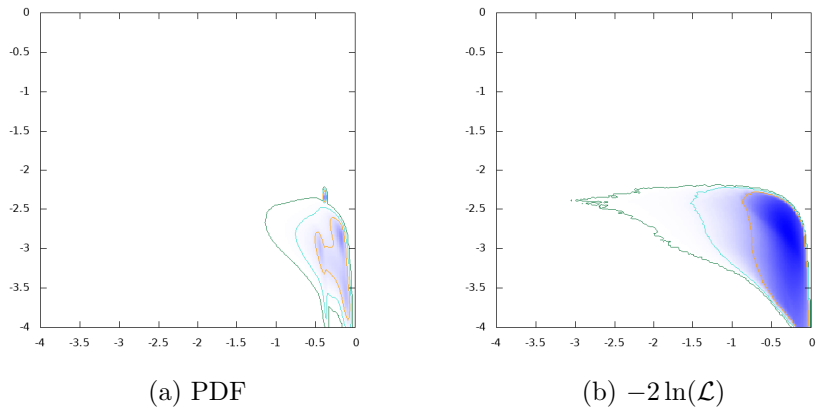


Figure 84: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

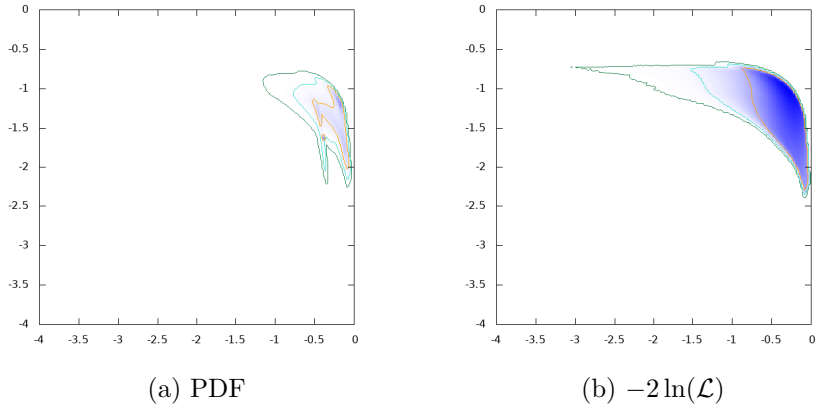


Figure 85: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

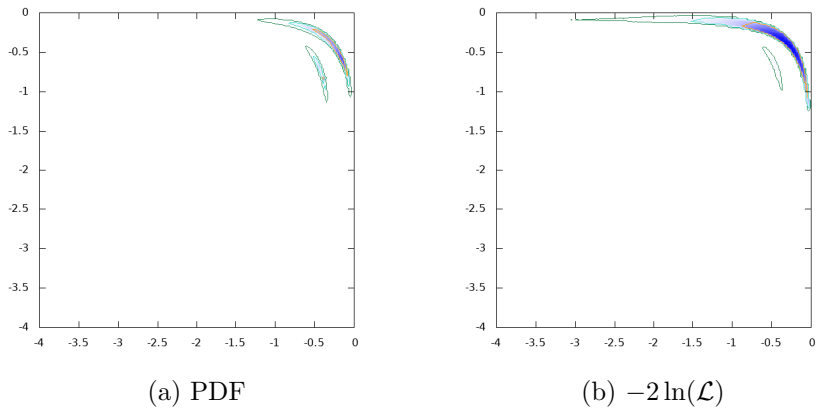


Figure 86: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

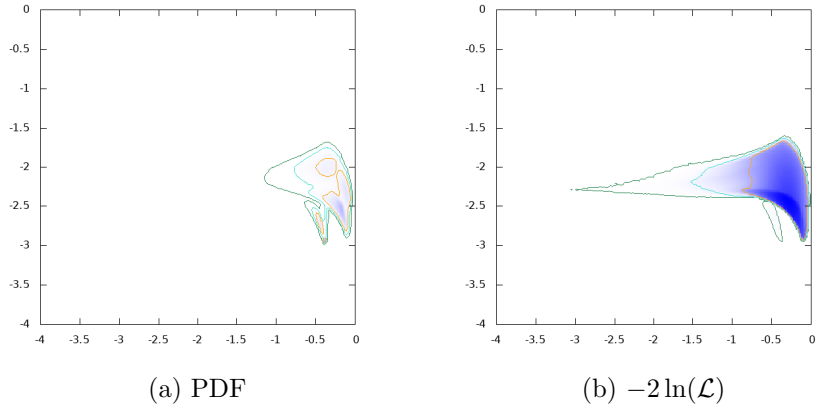


Figure 87: $\log_{10}\text{BR}(A \rightarrow t\bar{t})$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

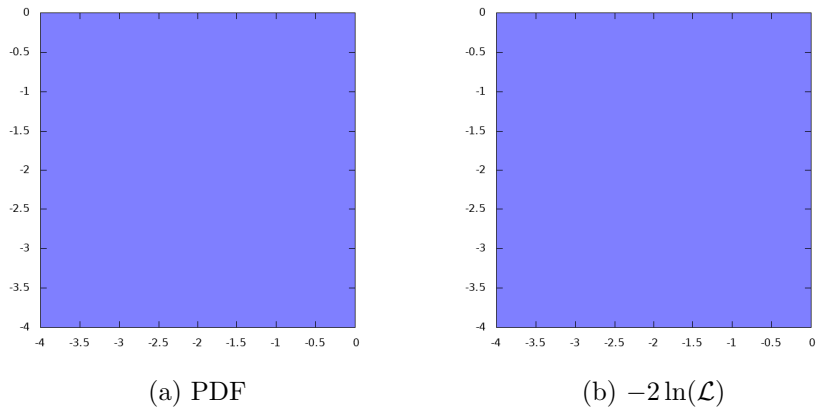
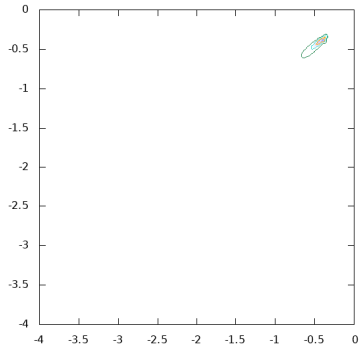
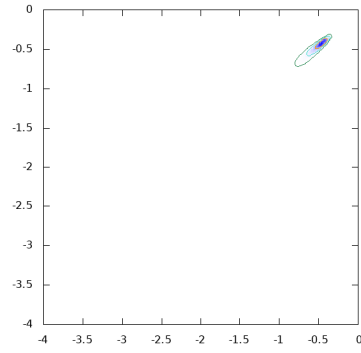


Figure 88: $\log_{10}\text{BR}(A \rightarrow b\bar{b})$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

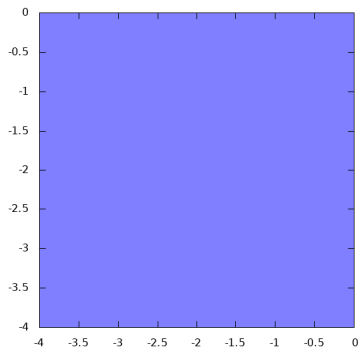


(a) PDF

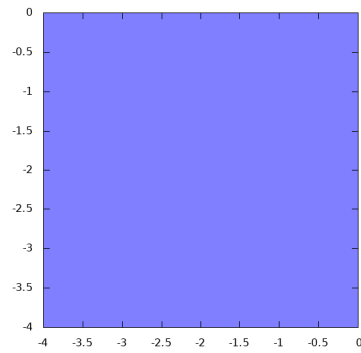


(b) $-2\ln(\mathcal{L})$

Figure 89: $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$

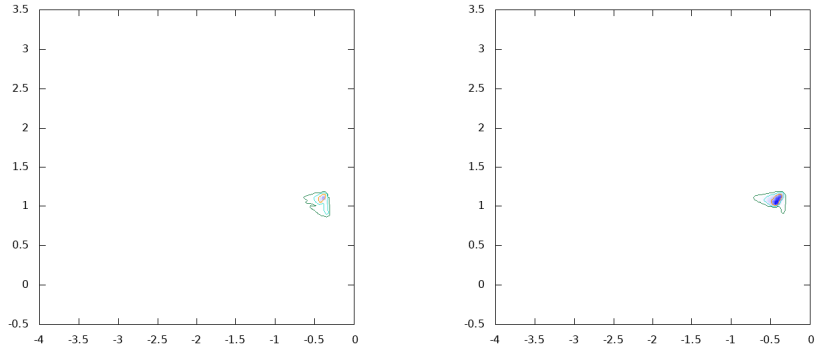


(a) PDF



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

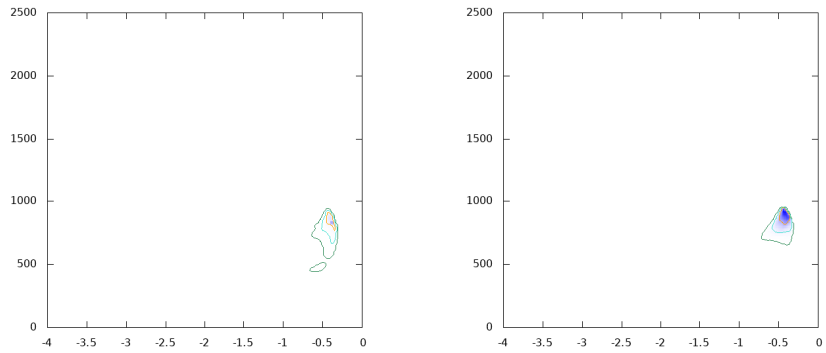
Figure 90: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow HZ)$



(a) PDF

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

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



(a) PDF

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

Figure 92: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow H^\pm W^\mp)$

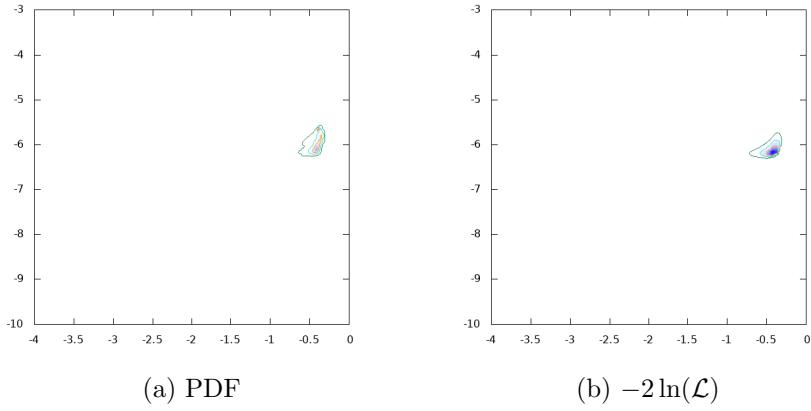


Figure 93: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

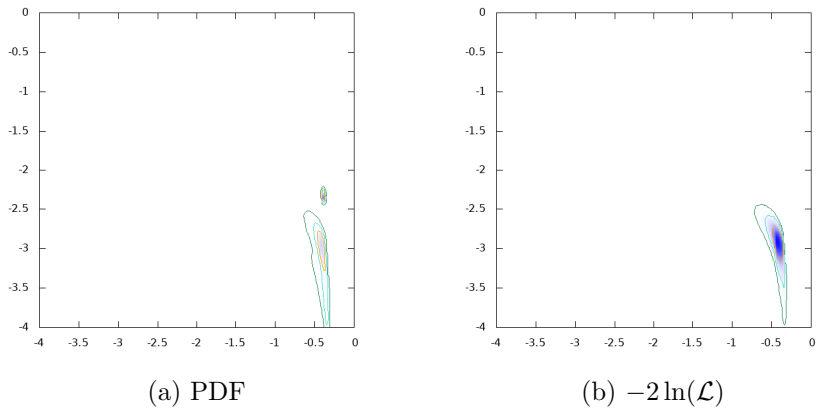


Figure 94: $\log_{10}\text{BR}(A \rightarrow e^+ e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

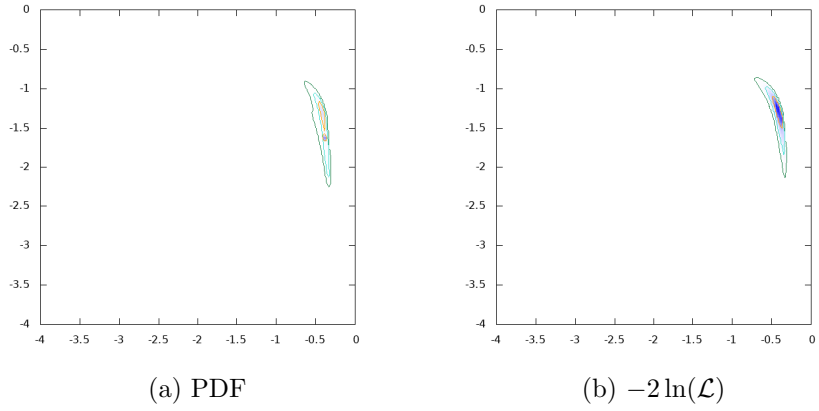


Figure 95: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

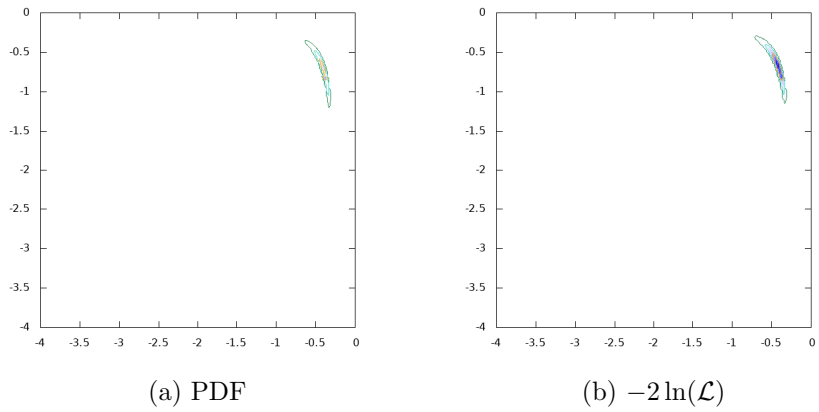


Figure 96: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

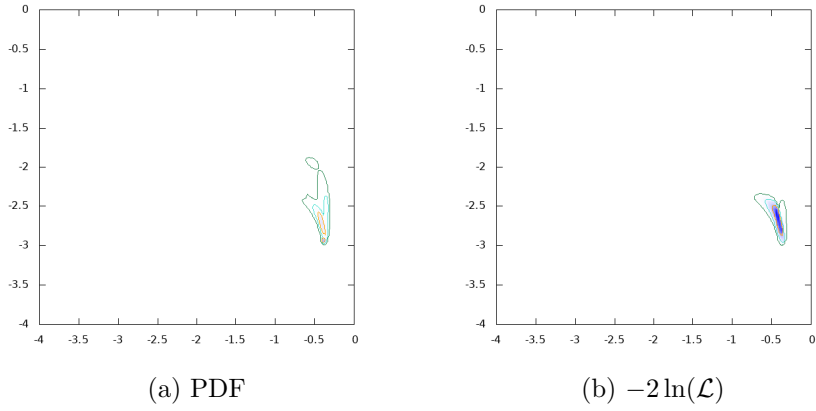


Figure 97: $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

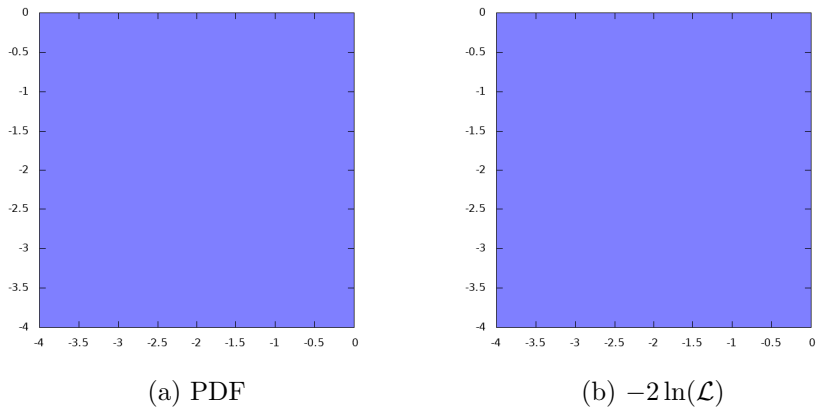


Figure 98: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

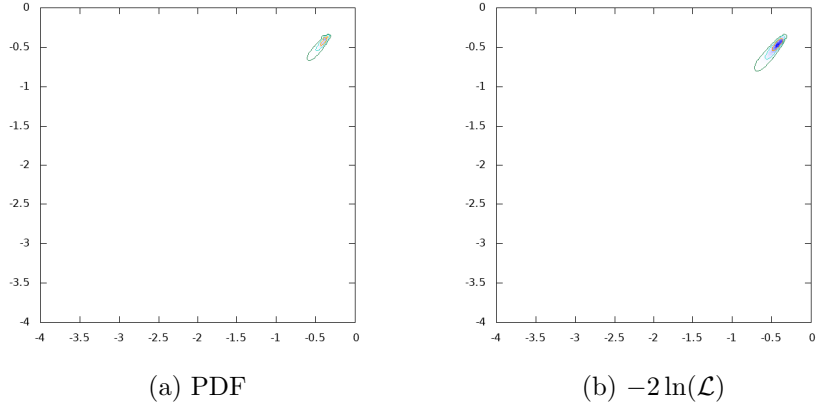


Figure 99: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

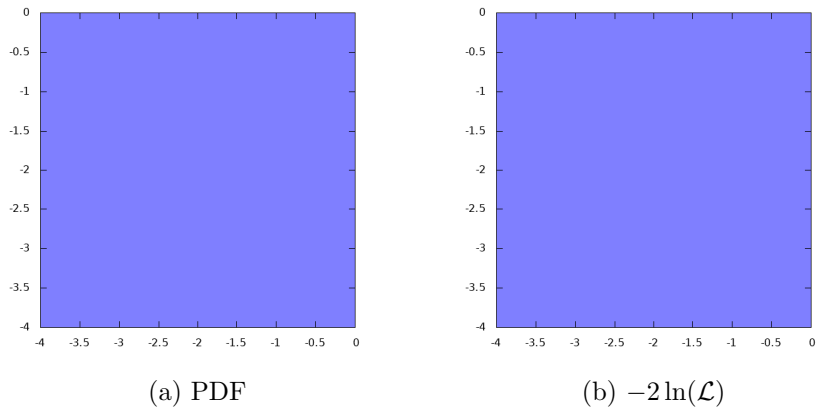
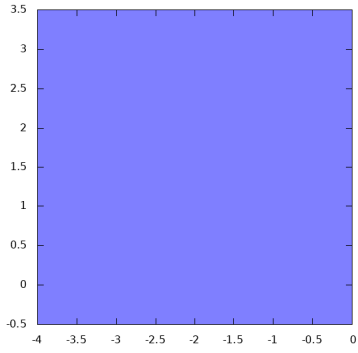
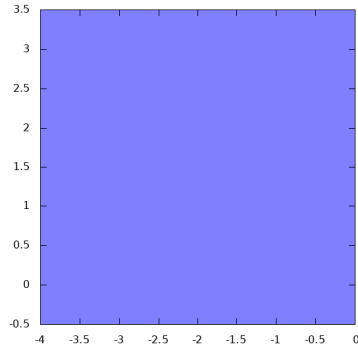


Figure 100: $\log_{10}\text{BR}(A \rightarrow SS)$ vs. $\log_{10}\text{BR}(A \rightarrow H^\pm W^\mp)$

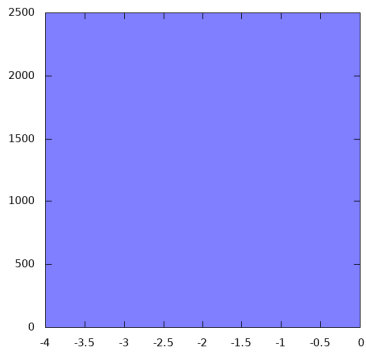


(a) PDF

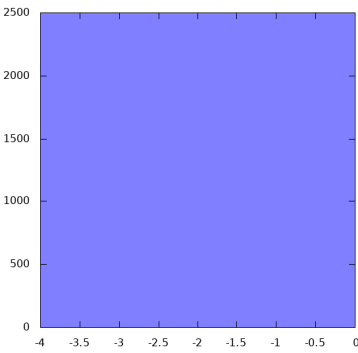


(b) $-2\ln(\mathcal{L})$

Figure 101: $\log_{10} \tan \beta$ vs. $\log_{10} \text{BR}(A \rightarrow SS)$



(a) PDF



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

Figure 102: m_A GeV vs. $\log_{10} \text{BR}(A \rightarrow SS)$

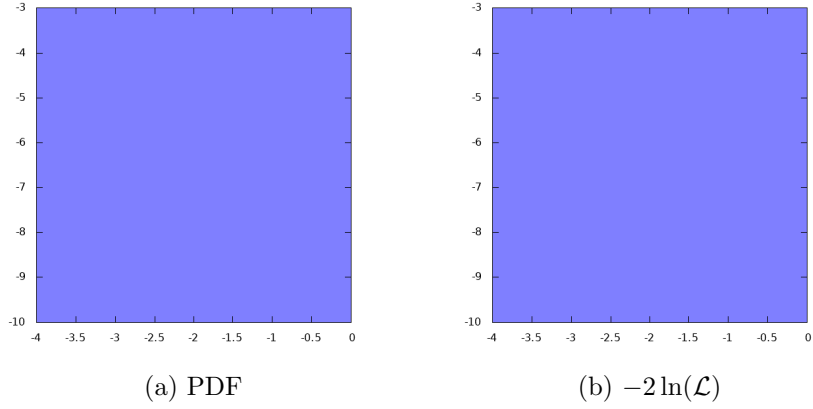


Figure 103: $\log_{10}|\delta a_\tau|$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$

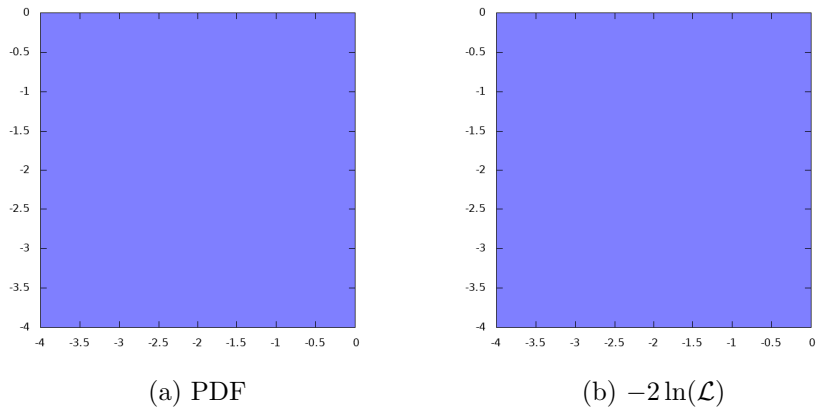
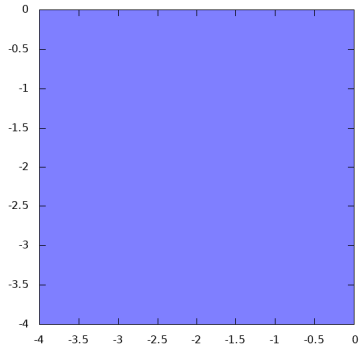
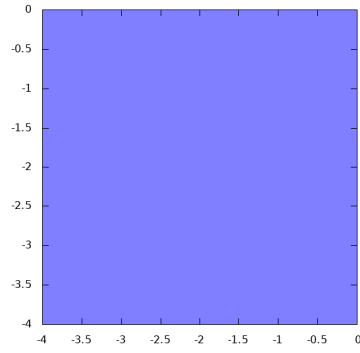


Figure 104: $\log_{10}\text{BR}(A \rightarrow e^+e^-)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$

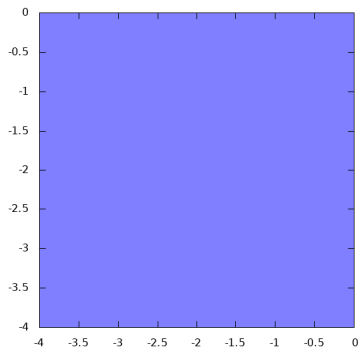


(a) PDF

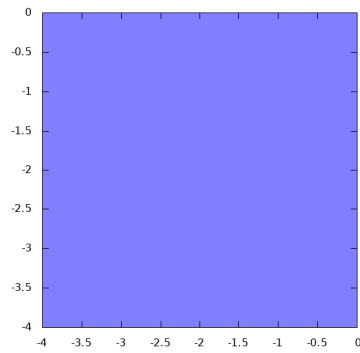


(b) $-2\ln(\mathcal{L})$

Figure 105: $\log_{10}\text{BR}(A \rightarrow \mu^+\mu^-)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$



(a) PDF



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

Figure 106: $\log_{10}\text{BR}(A \rightarrow \tau^+\tau^-)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$

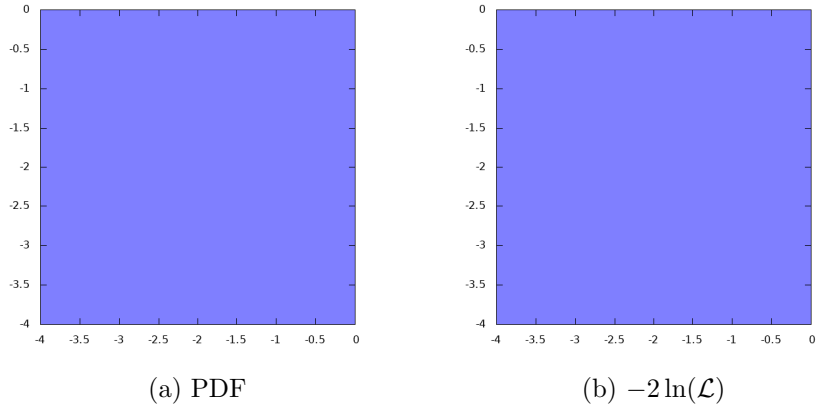


Figure 107: $\log_{10}\text{BR}(A \rightarrow \bar{t}t)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$

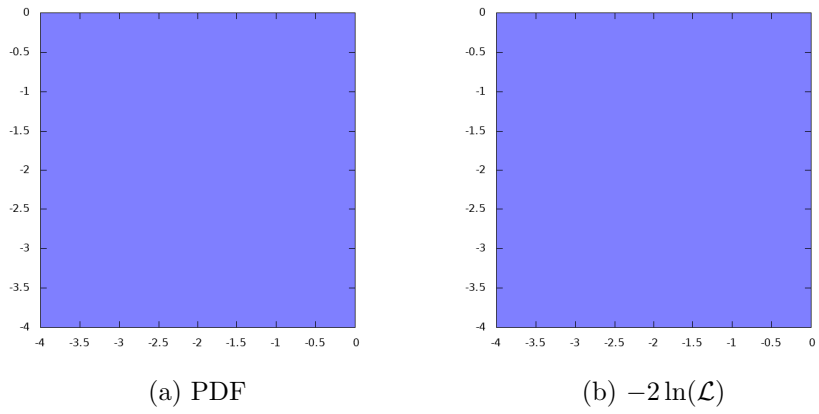
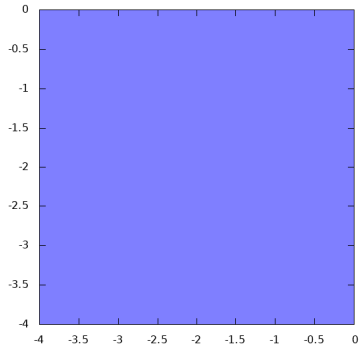
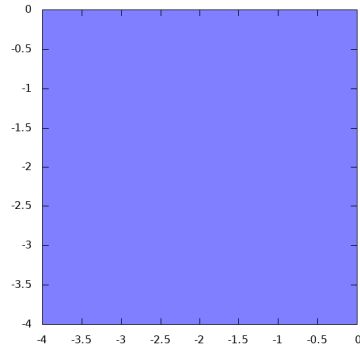


Figure 108: $\log_{10}\text{BR}(A \rightarrow \bar{b}b)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$

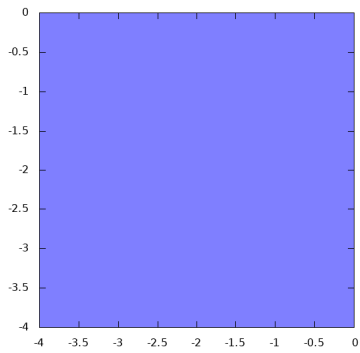


(a) PDF

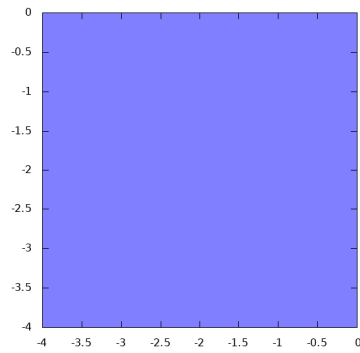


(b) $-2\ln(\mathcal{L})$

Figure 109: $\log_{10}\text{BR}(A \rightarrow HZ)$ vs. $\log_{10}\text{BR}(A \rightarrow SS)$



(a) PDF



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

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