

Two-dimensional plots - Summary group 3

February 21, 2022

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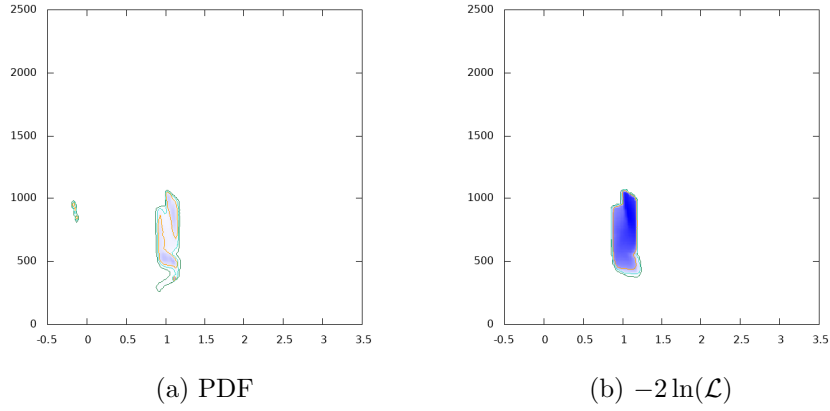


Figure 1: m_{H^\pm} GeV vs. $\log_{10} \tan \beta$

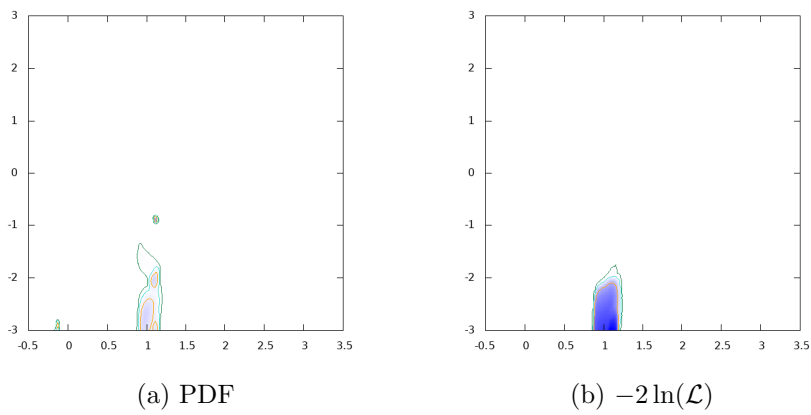


Figure 2: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb) vs. $\log_{10} \tan \beta$

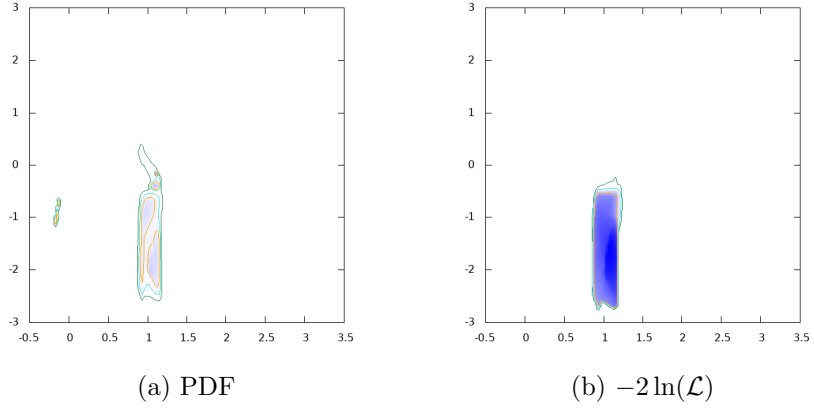


Figure 3: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb) vs. $\log_{10} \tan \beta$

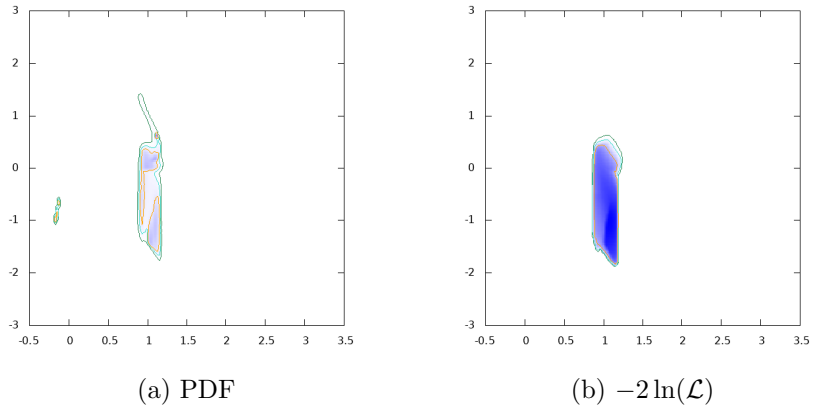


Figure 4: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb) vs. $\log_{10} \tan \beta$

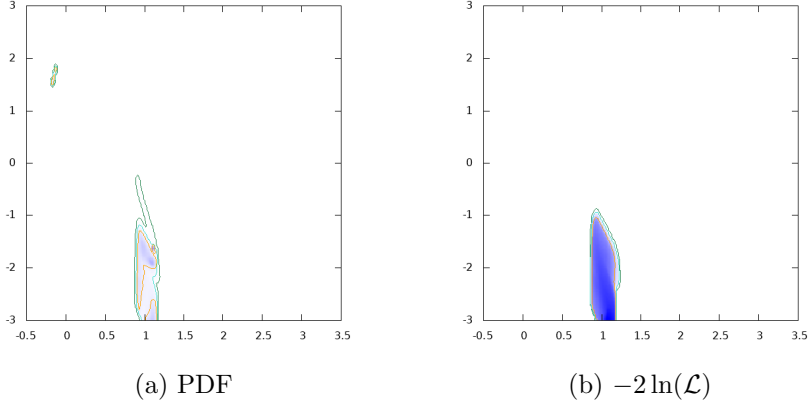


Figure 5: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb) vs. $\log_{10} \tan \beta$

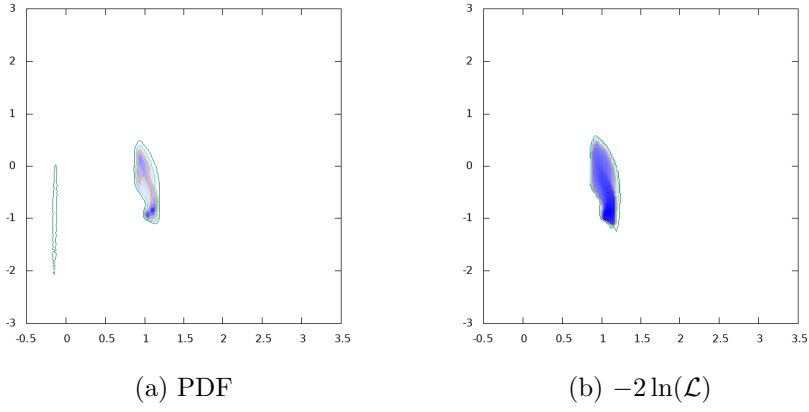


Figure 6: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb) vs. $\log_{10} \tan \beta$

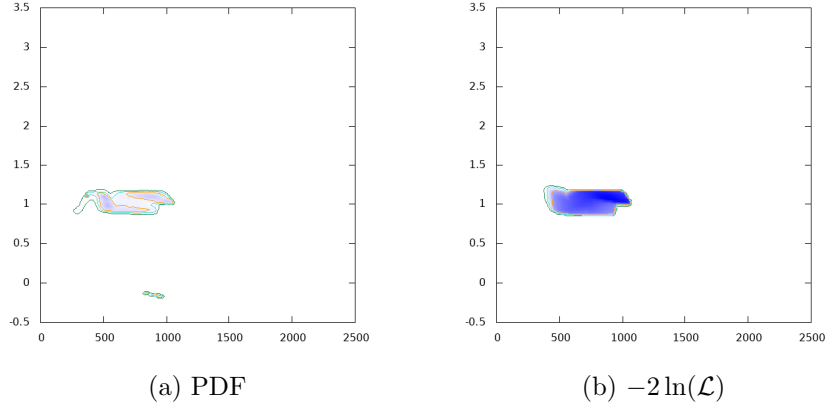


Figure 7: $\log_{10} \tan \beta$ vs. m_{H^\pm} GeV

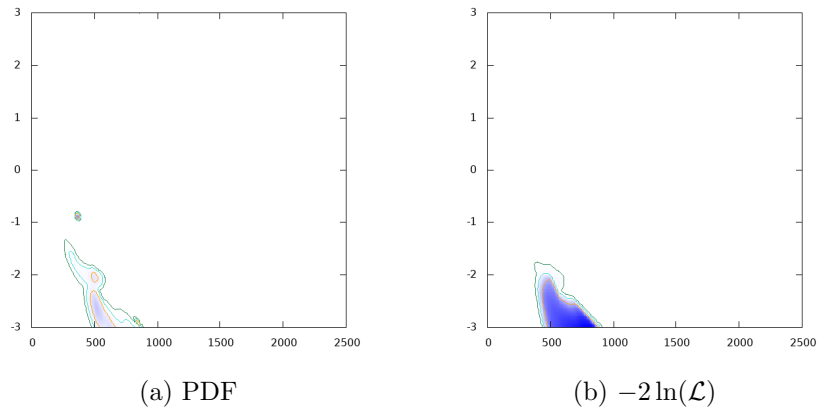


Figure 8: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb) vs. m_{H^\pm} GeV

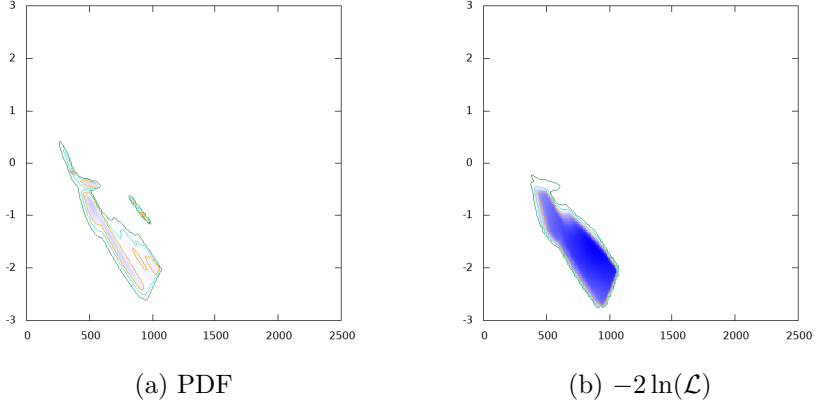


Figure 9: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb) vs. m_{H^\pm} GeV

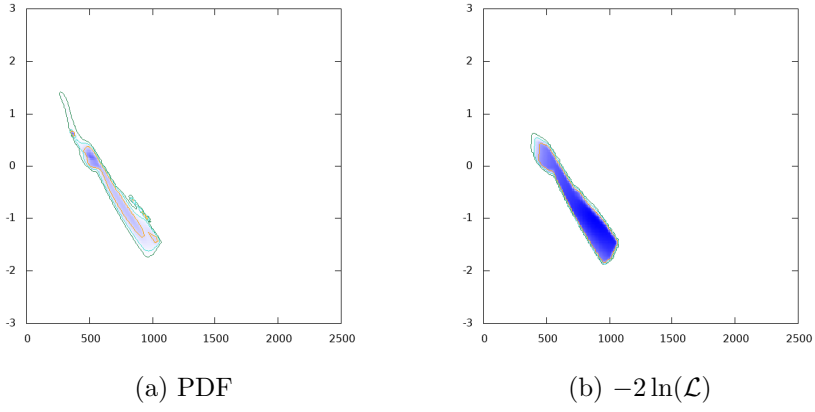


Figure 10: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb) vs. m_{H^\pm} GeV

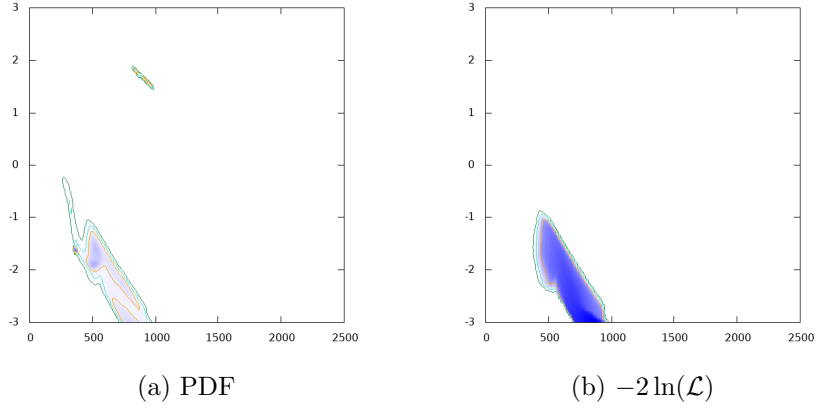


Figure 11: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb) vs. m_{H^\pm} GeV

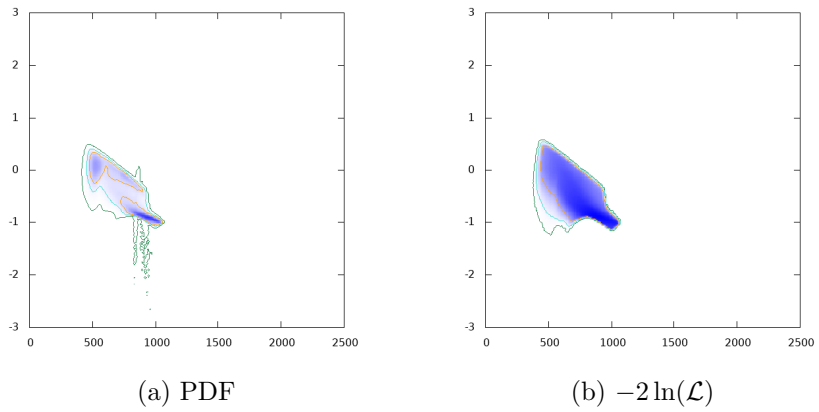


Figure 12: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb) vs. m_{H^\pm} GeV

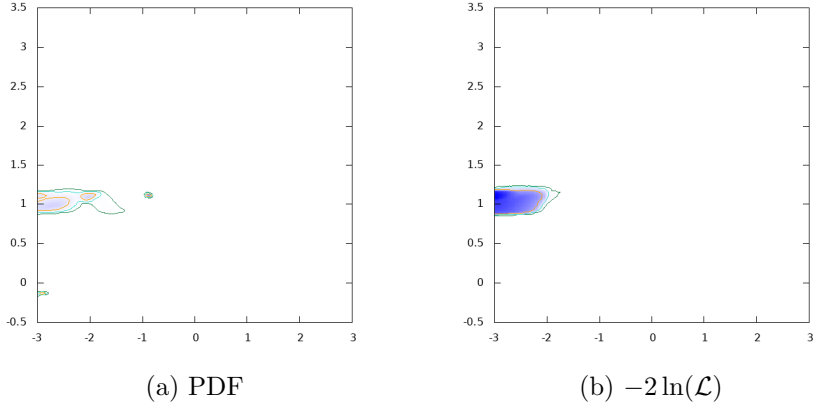


Figure 13: $\log_{10} \tan \beta$ vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb)

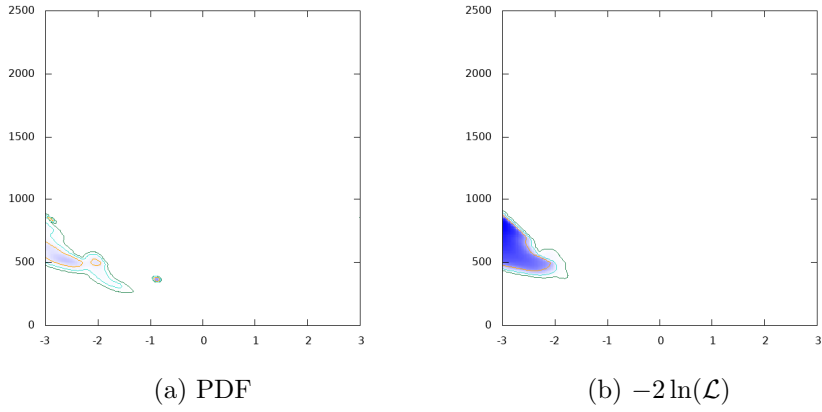


Figure 14: m_{H^\pm} GeV vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb)

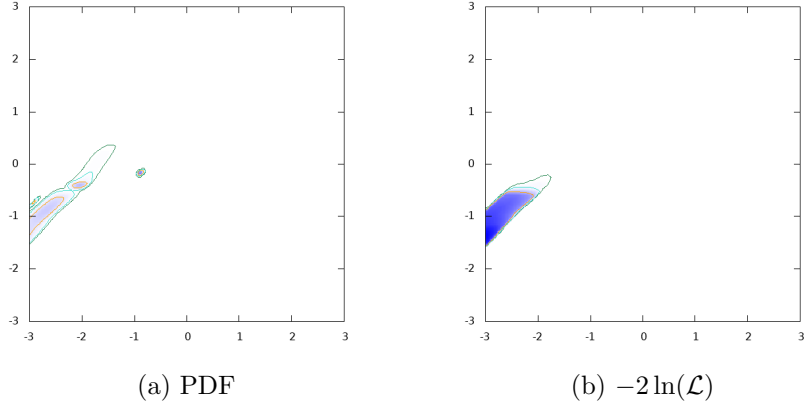


Figure 15: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb)

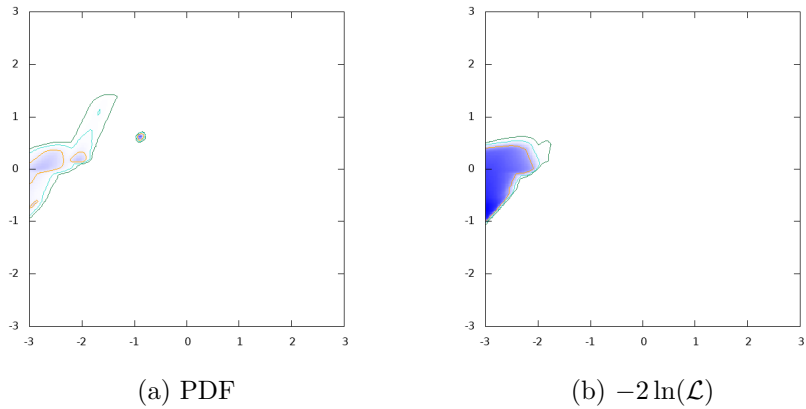


Figure 16: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb)

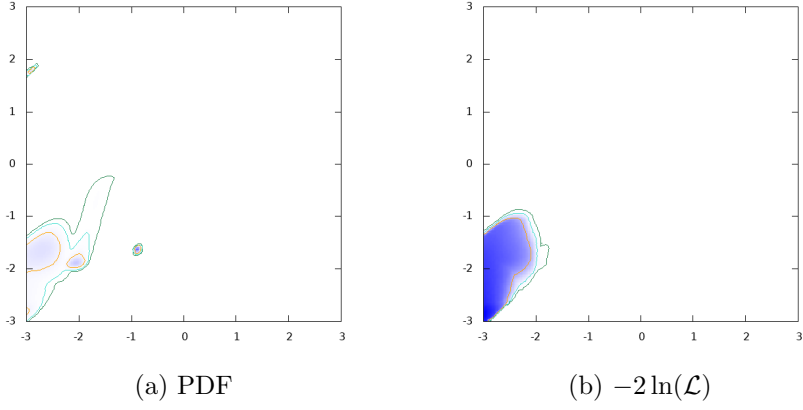


Figure 17: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb)

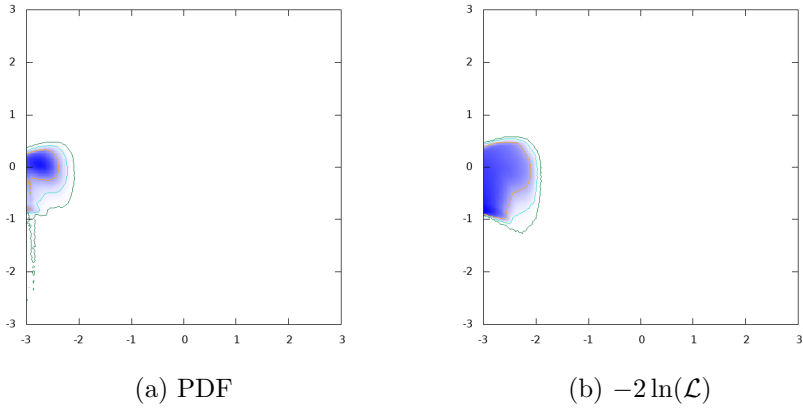


Figure 18: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb)

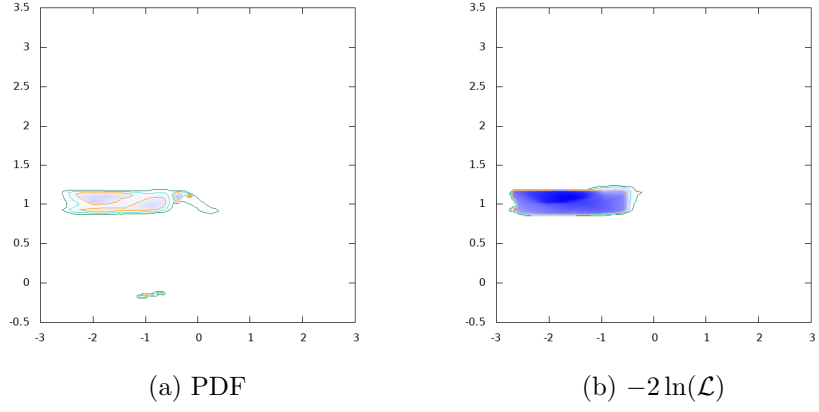


Figure 19: $\log_{10} \tan \beta$ vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb)

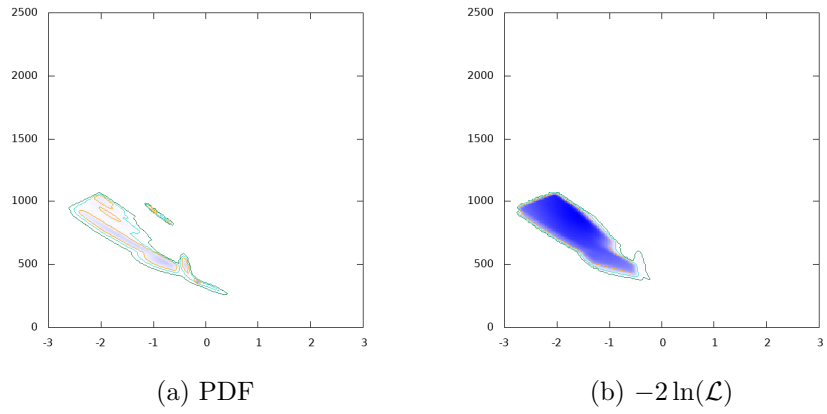


Figure 20: m_{H^\pm} GeV vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb)

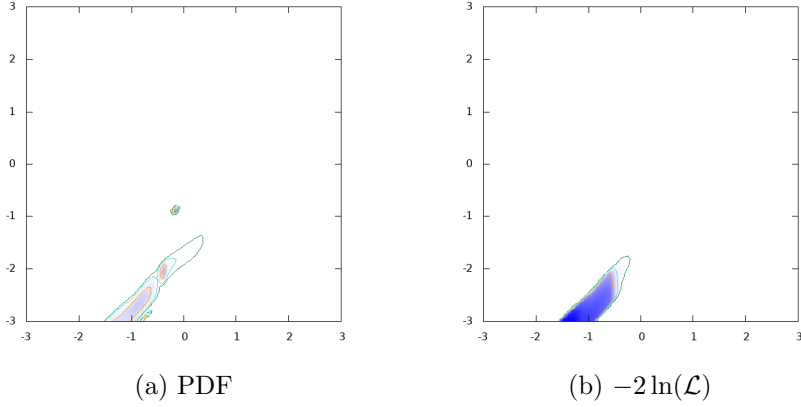


Figure 21: $\log_{10}\sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm\nu)$ (fb) vs. $\log_{10}\sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm\nu)$ (fb)

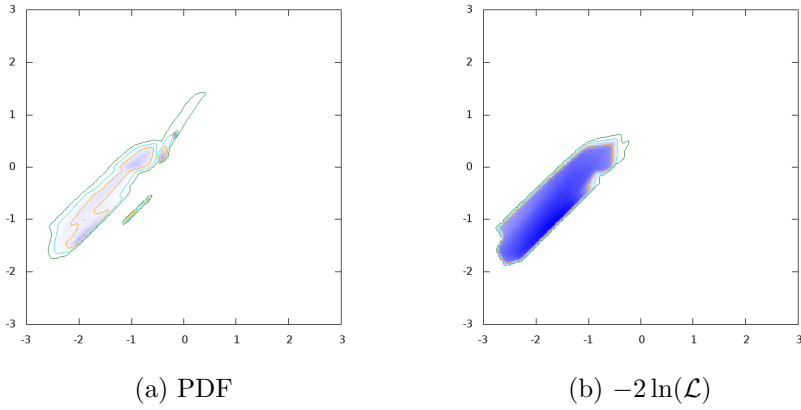


Figure 22: $\log_{10}\sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm\nu)$ (fb) vs. $\log_{10}\sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm\nu)$ (fb)

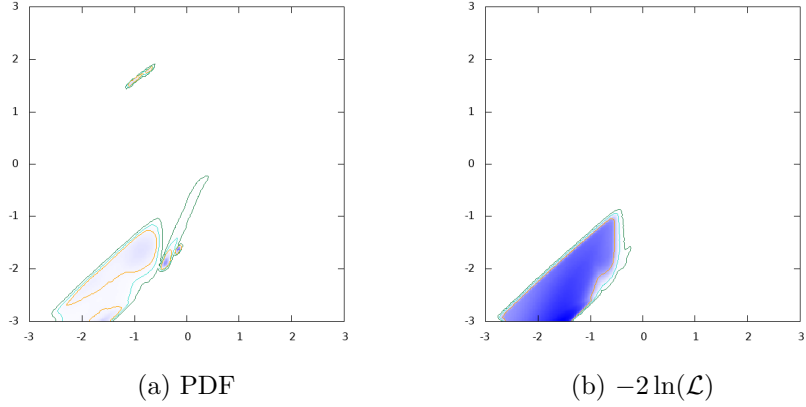


Figure 23: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb)

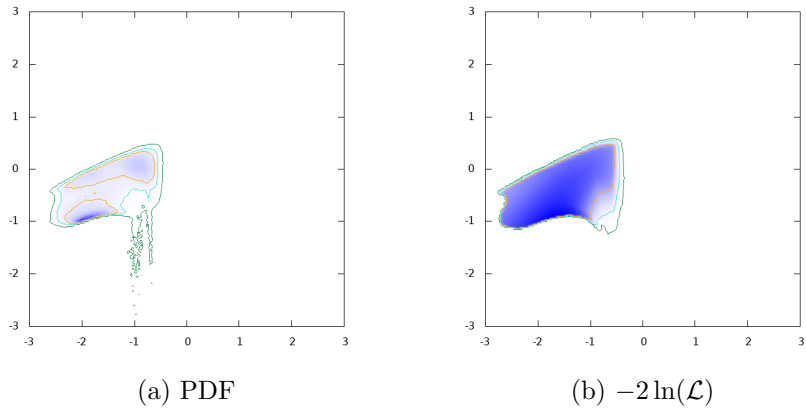


Figure 24: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb)

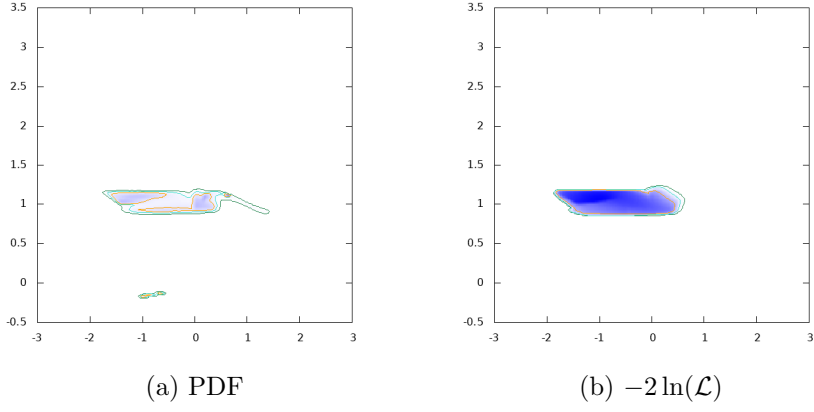


Figure 25: $\log_{10} \tan \beta$ vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb)

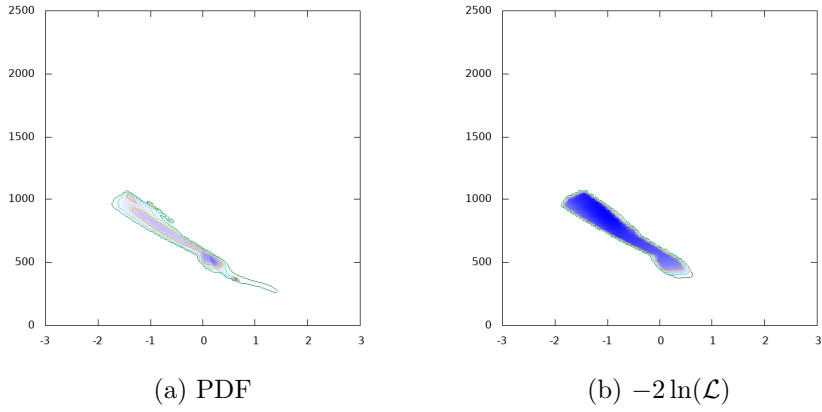


Figure 26: m_{H^\pm} GeV vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb)

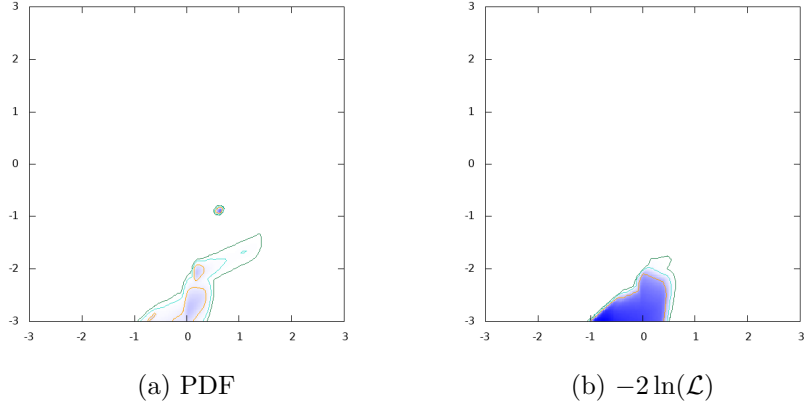


Figure 27: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb)

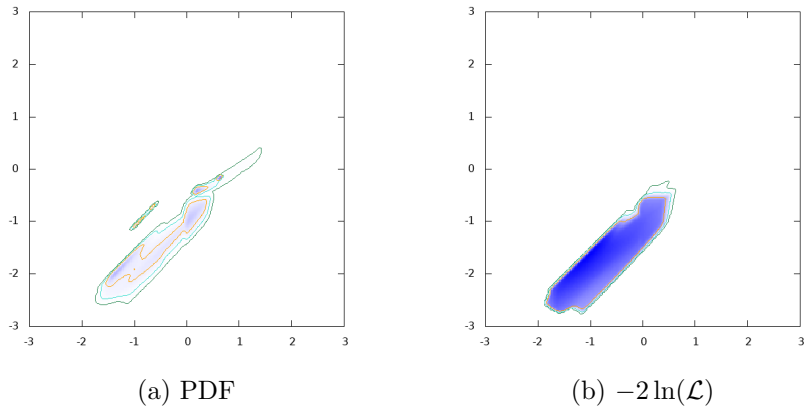
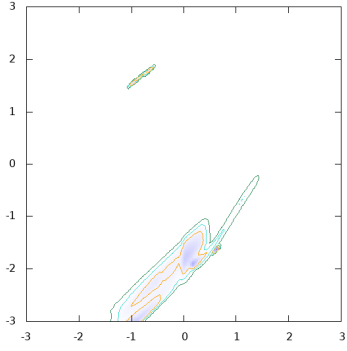
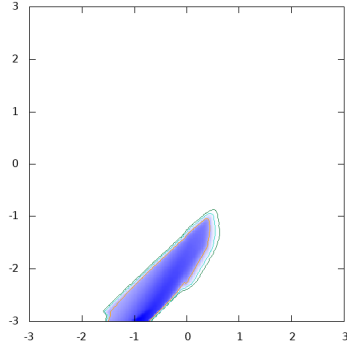


Figure 28: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb)

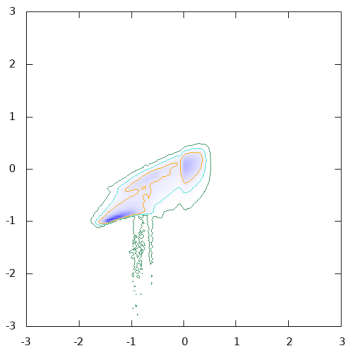


(a) PDF

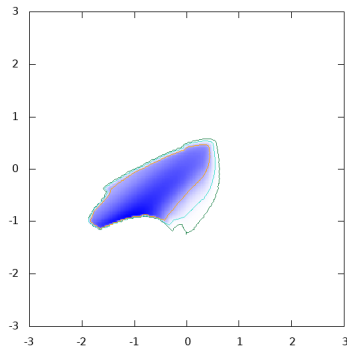


(b) $-2\ln(\mathcal{L})$

Figure 29: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb)



(a) PDF



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

Figure 30: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb)

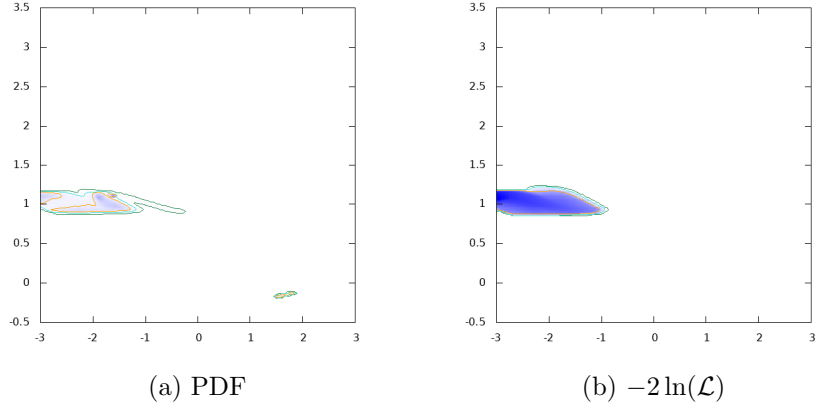


Figure 31: $\log_{10} \tan \beta$ vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb)

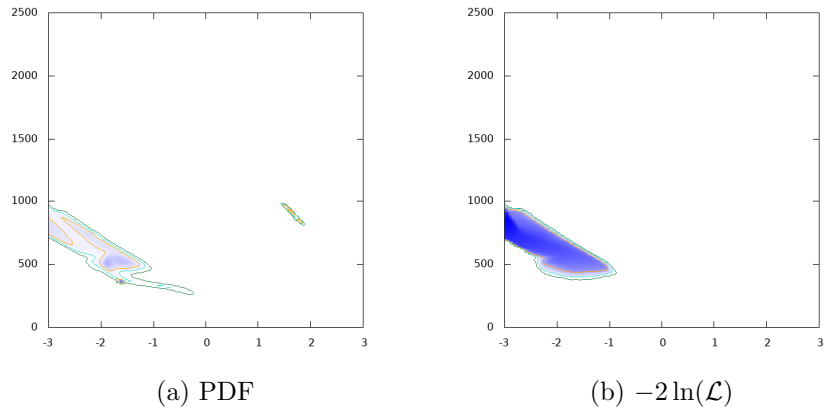


Figure 32: m_{H^\pm} GeV vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb)

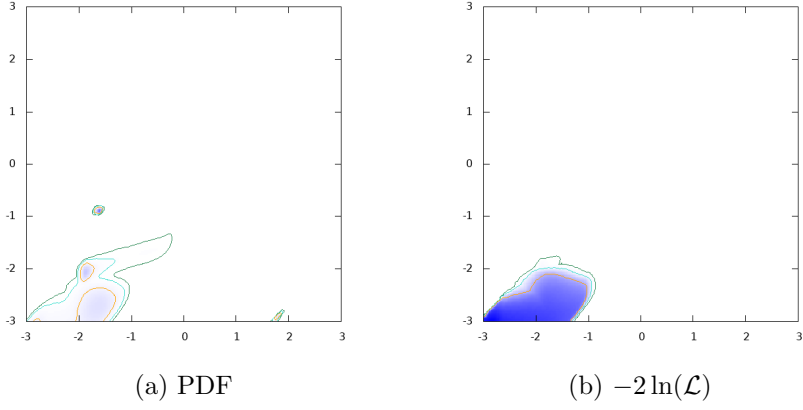


Figure 33: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb)

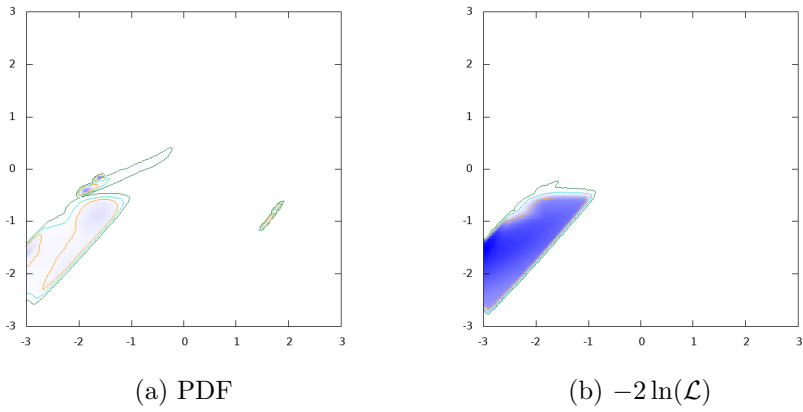


Figure 34: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb)

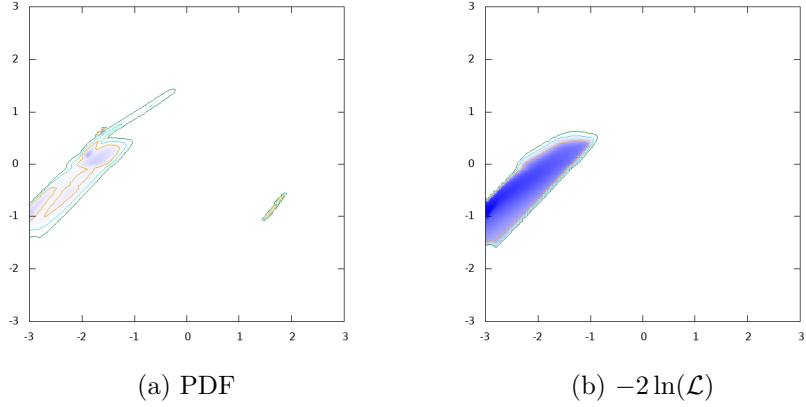


Figure 35: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb)

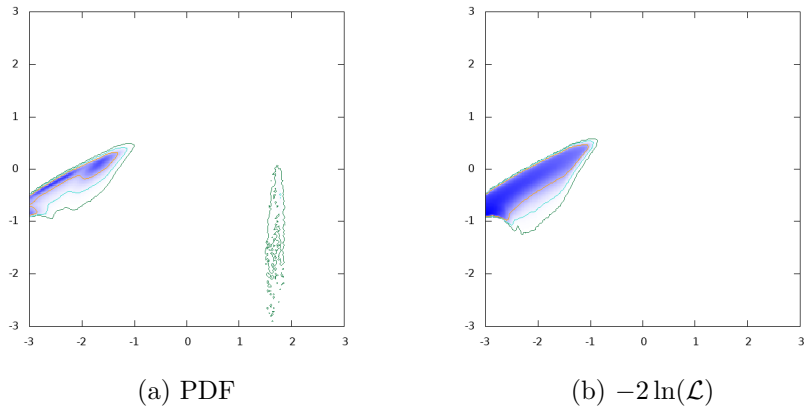


Figure 36: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb)

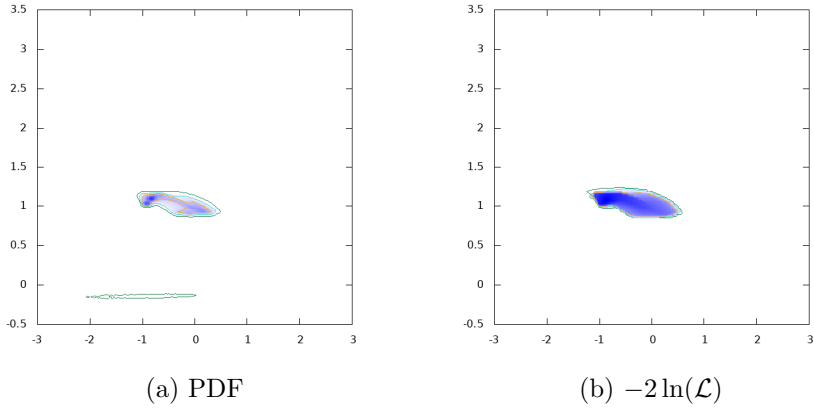


Figure 37: $\log_{10} \tan \beta$ vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb)

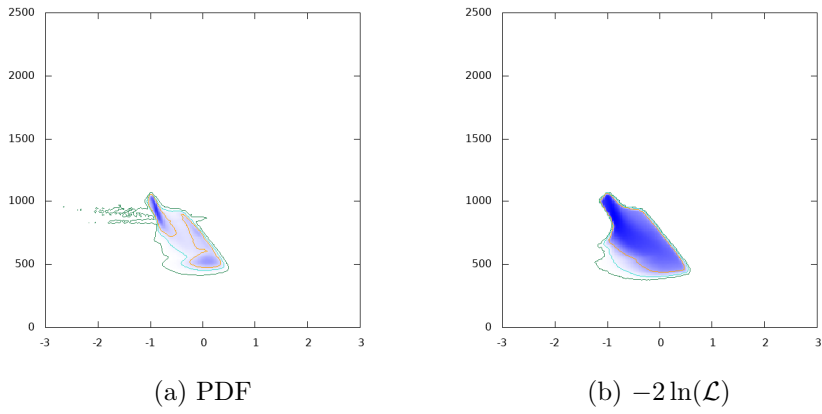


Figure 38: m_{H^\pm} GeV vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb)

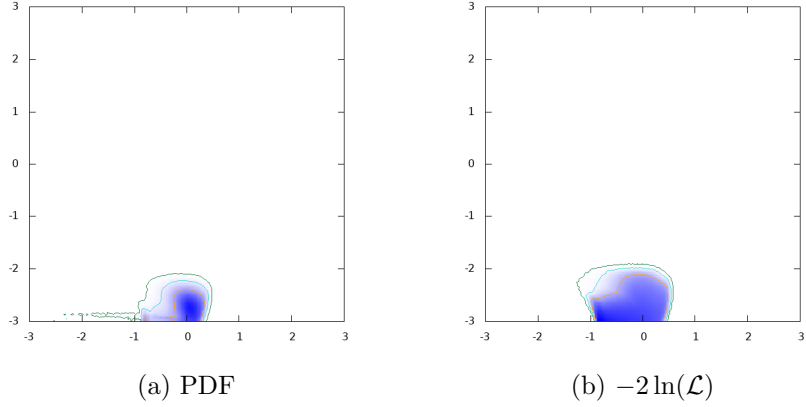


Figure 39: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow e^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb)

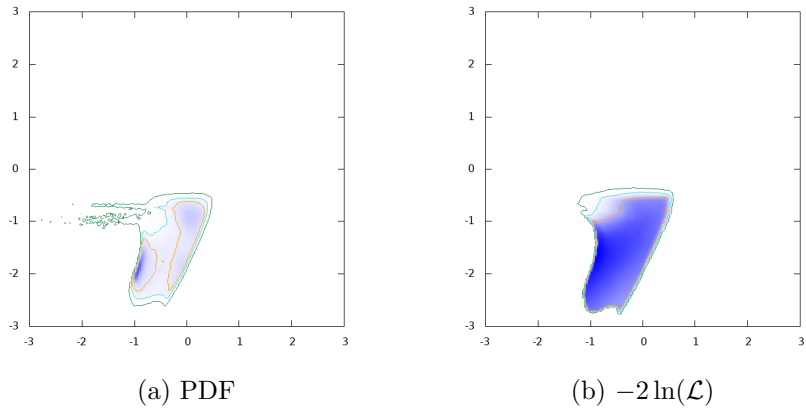


Figure 40: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \mu^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb)

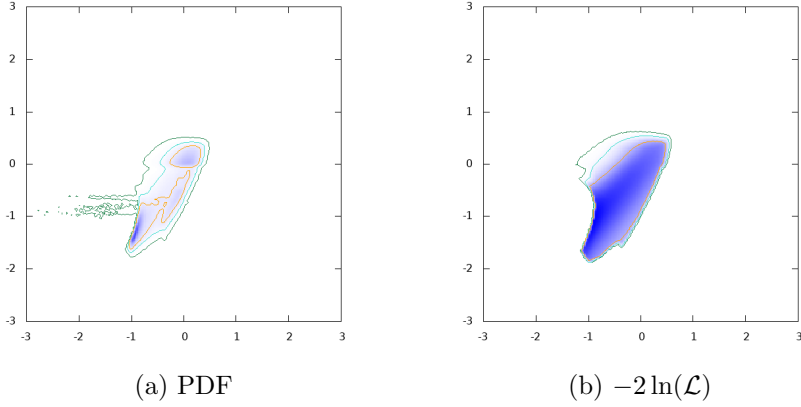


Figure 41: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow \tau^\pm \nu)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb)

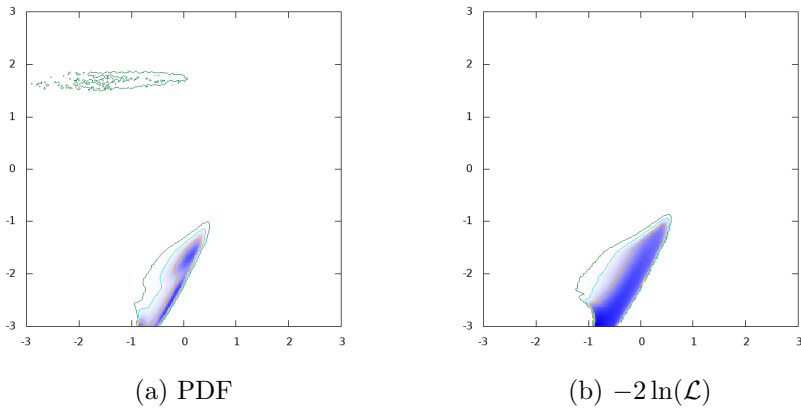


Figure 42: $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow tb)$ (fb) vs. $\log_{10} \sigma(pp \rightarrow H^\pm tb)(H^\pm \rightarrow HW^\pm)$ (fb)