flow pred  $\sqrt{s} = 13 \text{ TeV}, 126 \text{ fb}^{-1}$ 4b 4b SR noise L = 2L = 3L = 4L = 5L = 6L = 7L = 10L = 1L = 8L = 9Entries 4000 — 2000 2000 -2000 1000 log p<sub>T</sub>, H<sub>1</sub>  $\log p_{T,H1}$ log p<sub>T</sub>, H1<sub>4000</sub>  $\log p_{T,H1}$  $\log p_{T,H1}$  $\log p_{T,H1}$ -2.5  $\log p_{T,H1}$ -2.5  $\log p_{T, H1}^{0.0}$ -2.5 -2.5 -2.5 -2.5  $\log p_{T, H1}^{0.0}$  $\log p_{T,H1}^{0.0}$  $\log p_{T, H1}$ Entries 2000 2000 — 2000 2000 -2000 1000 — 2500 — 1000  $\log p_{T,H1}$ -2.5  $\log p_{T, H1}$ log p<sub>T</sub>, H1 log p<sub>T, H1</sub>  $\log p_{T, H1}^{0.0}$  $\log p_{T, H1}^{0.0}$  $\log p_{T, H1}^{0.0}$  $\log p_{T, H1}$  $\log p_{T, H1}$ -2.5  $\log p_{T,H1}$ -2.5 -2.5 -2.5 -2.5 -2.5  $\log p_{T, H1}^{0.0}$ Entries 4000 2000 — 2000 2000 -2000 1000 — 2000 — 1000 η<sub>H1</sub><sub>4000</sub>  $\eta_{H1}^{^{2.5}}$  $\eta_{H1}^{2.5}$  $\eta_{H1}^{^{2.5}}$  $\eta_{H1}^{^{2.5}}$  $\eta_{H1}^{^{2.5}}$  $\eta_{H1}^{^{2.5}}$ -2.5  $\eta_{H1}^{^{2.5}}$  $\eta_{H1}^{^{2.5}}$  $\eta_{H1}^{^{2.5}}$ -2.5 0.0 -2.5 0.0 -2.5 0.0 0.0 -2.5 0.0 -2.5 0.0 -2.5 0.0 2000 — 2000 — 2000 2000 2000 -2000 2000 1000 1000 -1000  $\eta_{H2}^{2.5}$ η<sub>H2</sub>  $\eta_{H2}^{2.5}$ <sup>2.5</sup> η<sub>H2</sub> 0 -2.5 η<sub>H2</sub> η<sub>H2</sub> -2.5 0.0 -2.5 -2.5 -2.5 0.0  $\eta_{H2}^{^{2.5}}$ -2.5 0.0 2.5 0.0 0.0 0.0  $\eta_{H2}$  $\eta_{H2}$  $\eta_{H2}$ 2000 — 2000 2000 2000 2000 2000 1000 2500 1000 —  $X_{Wt}^{2.5}$ 0.0 0.0  $X_{Wt}^{^{2.5}}$ 0.0 -2.5 -2.5 -2.5 0.0  $X_{Wt}^{2.5}$ 0.0 0.0  $X_{Wt}^{2.5}$ 0.0 -2.5 -2.5 -2.5 2000 -2000 2000 2000 -1000 — 1000 — 1000 —  $\log(\pi - \Delta\phi_{HH})$  $\overline{\log(\pi - \Delta\phi_{HH})}$  $\overline{\log(\pi - \Delta\phi_{HH})}^{2.5}$   $\overline{\log(\pi - \Delta\phi_{HH})}^{2.5}$  $\overline{\log(\pi - \Delta\phi_{HH})}$  $\log(\pi - \Delta\phi_{HH})$  $\log(\pi - \Delta\phi_{HH})$  $\log(\pi - \Delta\phi_{HH})$  $\overline{\log(\pi-\Delta\phi_{HH})}^{2.5}$  $\log(\pi - \Delta\phi_{HH})$  $\log(\pi - \Delta\phi_{HH})$ 

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