**CMS Private work** Events FlashSim Upsampled, mean RSS = 20.3 FlashSim, mean RSS = 101.6 10<sup>4</sup> 10<sup>3</sup>  $10^{-3}$ Relative error 10-4 10<sup>-5</sup>  $10^{-6}$ 10<sup>-7</sup> ratio 1.4 1.2 0.8 0.6 3 3.5 4 VBF DNN Output 1.5 2 2.5 0.5