$pp \rightarrow Z \rightarrow \ell\bar{\ell} + X$

$pp \rightarrow H + X$

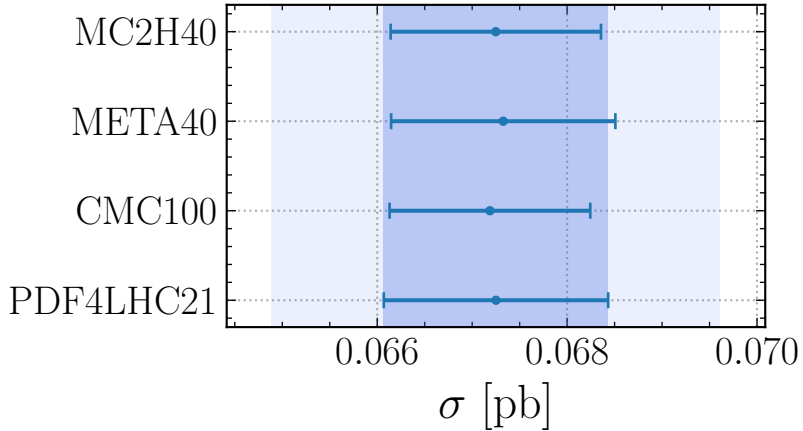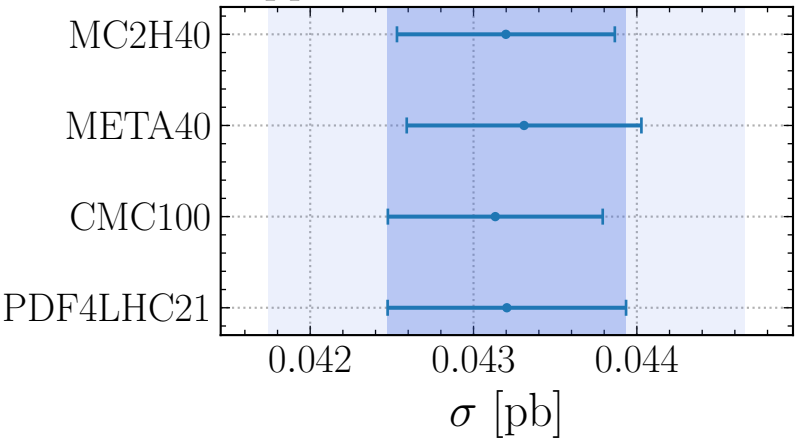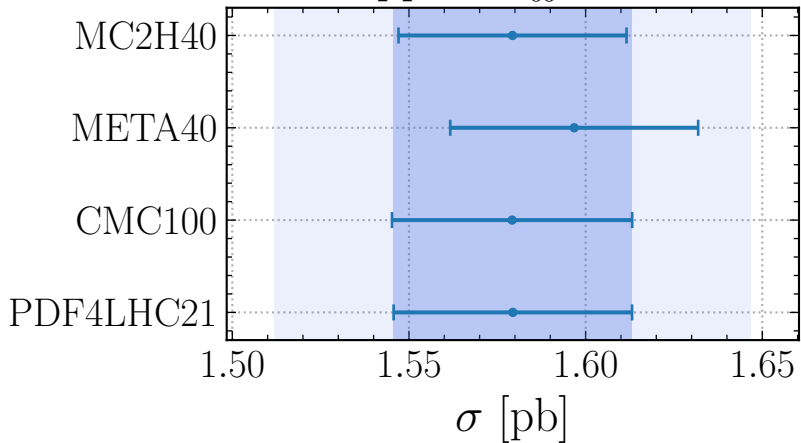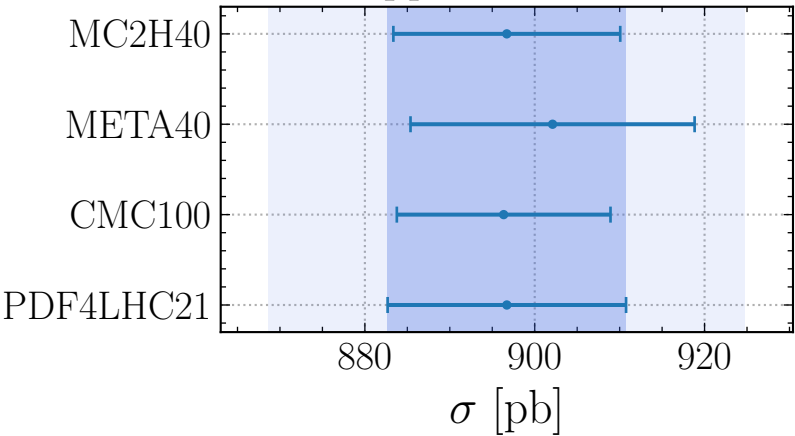$pp \rightarrow HW^+ \rightarrow H\bar{\ell}\nu_\ell + X$

$pp \to HW^- \to H\ell\bar{\nu}_\ell + X$
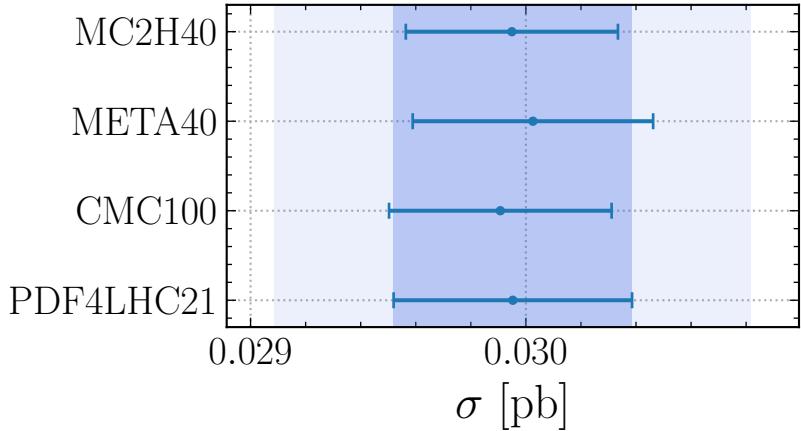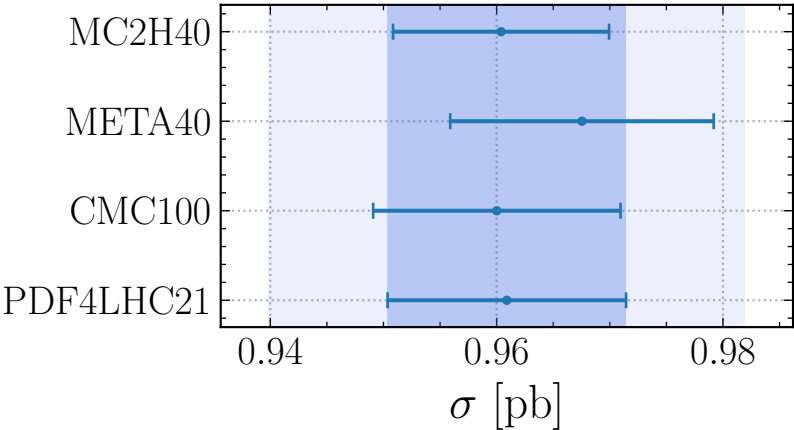
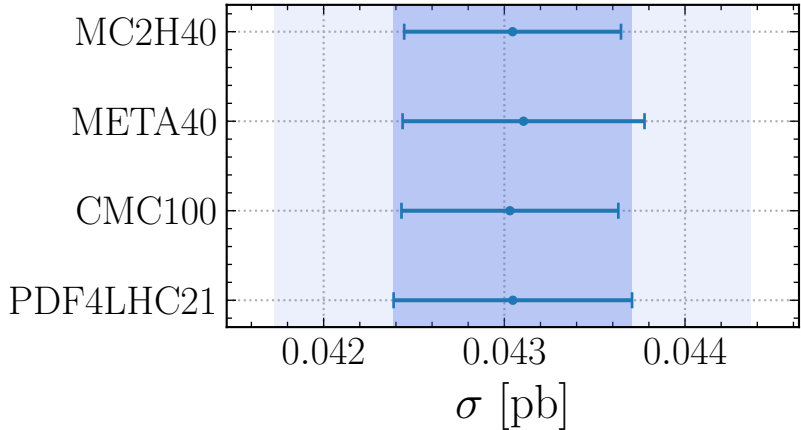pp → Hjj + X

$pp \rightarrow t\bar{t} + X$

$pp \rightarrow ZW^- \rightarrow \ell\bar{\ell}\ell'\bar{\nu}_{\ell'} + X$

$$pp \rightarrow W^+W^- \rightarrow \bar{\ell}\nu_\ell \ell' \bar{\nu}_{\ell'} + X$$

$pp \to ZW^+ \to \ell\bar{\ell}\bar{\ell}'\nu_{\ell'} + X$

$$pp \rightarrow W^+ \rightarrow \bar{\ell}\nu_\ell + X$$