

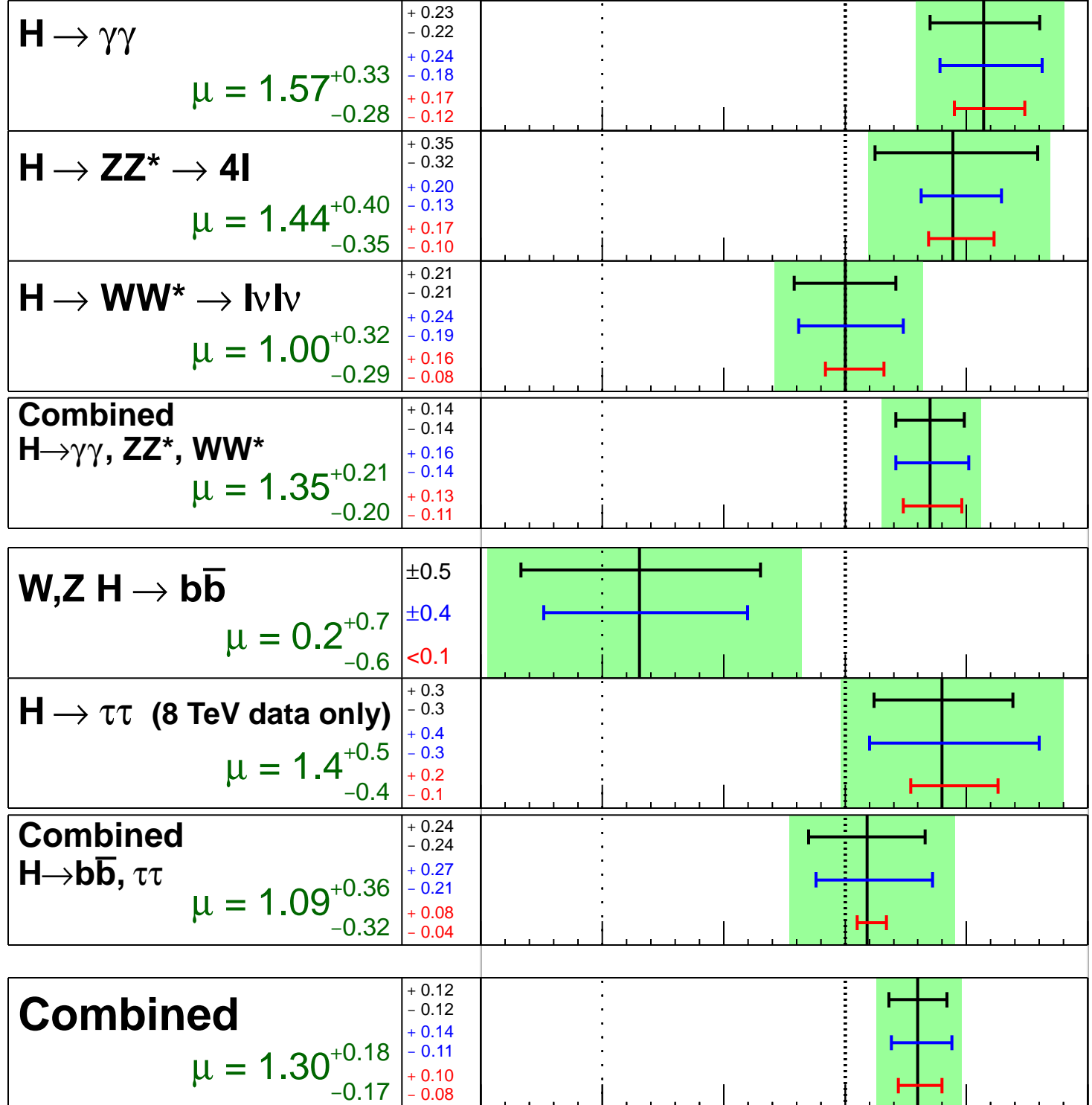
**ATLAS Prelim.**

$m_H = 125.5 \text{ GeV}$

—  $\sigma(\text{stat.})$   
—  $\sigma(\text{theory})^{\text{(sys inc.)}}$   
—  $\sigma(\text{theory})$

Total uncertainty

■  $\pm 1\sigma$  on  $\mu$



$\sqrt{s} = 7 \text{ TeV } \int L dt = 4.6\text{-}4.8 \text{ fb}^{-1}$

$\sqrt{s} = 8 \text{ TeV } \int L dt = 20.3 \text{ fb}^{-1}$

-0.5 0 0.5 1 1.5 2

Signal strength ( $\mu$ )