

| Uncertainty source                              | Uncertainty size (%)                                 |
|---|--|
|   | 10–30 (SM Higgs boson)                               |
| PDFs and QCD scale variations                   | 5–10 (EWK SUSY signal)<br>15–30 (Strong SUSY signal) |
| Signal ISR modeling                             | 5–25   |
| $\sigma_m / m$ categorization                   | 10–24  |
| Fast simulation $p_T^{\text{miss}}$ modeling    | 3–16   |
| Luminosity                                      | 2.3–2.5  |
| Trigger and selection efficiency                | 3  |
| Lepton efficiency                               | 4  |
| Jet energy scale                                | 1–5  |
| Photon energy scale                             | 1  |
| b-tagging efficiency                            | 4  |
| $H \rightarrow \gamma\gamma$ branching fraction | 2  |