

| Analysis categories | H(125) expected signal |     |                             |         |
|---------------------|------------------------|-----|-----------------------------|---------|
|                     | yield                  | VH  | $\sigma_{\text{eff}}$ (GeV) | S/(S+B) |
| Z(lep)H Tag0        | 1.2                    | 99% | 1.91                        | 0.45    |
| Z(lep)H Tag1        | 0.2                    | 82% | 2.15                        | 0.06    |
| W(lep)H Tag0        | 1.4                    | 93% | 1.82                        | 0.60    |
| W(lep)H Tag1        | 5.8                    | 98% | 1.96                        | 0.56    |
| W(lep)H Tag2        | 0.4                    | 64% | 1.83                        | 0.15    |
| W(lep)H Tag3        | 3.6                    | 87% | 1.90                        | 0.18    |
| V(MET)H Tag0        | 1.1                    | 96% | 2.06                        | 0.45    |
| V(MET)H Tag1        | 2.2                    | 96% | 2.06                        | 0.40    |
| V(MET)H Tag2        | 1.2                    | 45% | 1.46                        | 0.31    |
| V(MET)H Tag3        | 6.7                    | 80% | 2.05                        | 0.18    |