$\sigma(pp \rightarrow tHq) \, [pb]$ vs $m_T$ [TeV]

- **Observed 95% CL upper limit, low-mass**
- **Expected 95% CL upper limit, low-mass**
- **68% expected, low-mass**
- **95% expected, low-mass**
- **Observed 95% CL upper limit, high-mass**
- **Expected 95% CL upper limit, high-mass**
- **68% expected, high-mass**
- **95% expected, high-mass**

**CMS**

$pp \rightarrow tHq, \Gamma/m_T = 0.3$

35.9 fb$^{-1}$ (13 TeV)