FCC-hh / HE-LHC Simulation (Delphes)

Figure shows 95% CL Limit mass scale reach in TeV for various resonance searches at $\sqrt{s} = 100$ TeV and $\sqrt{s} = 27$ TeV, for integrated luminosities of 1 ab^{-1}, 2.5 ab^{-1}, 15 ab^{-1}, 30 ab^{-1}, and 100 ab^{-1}.

Processes (top to bottom):
- $Q^* \to jj$
- $Z'_{TC2} \to t\bar{t}$
- $Z'_{SSM} \to t\bar{t}$
- $G_{RS} \to W^+W^-$
- $Z'_{SSM} \to l^+l^-$
- $Z'_{SSM} \to \tau^+\tau^-$

Mass scale [TeV]