95% CL upper limit on \( \sigma \times B(\tau \tau \rightarrow X \nu) \) at different VLQ masses:

- **VLQ mass = 170 GeV**: Expected limit is below observed limit.
- **VLQ mass = 300 GeV**: Expected limit is below observed limit.
- **VLQ mass = 450 GeV**: Expected limit is below observed limit.

The CMS collaboration uses a combined analysis of 1b1f+1b1c data at 13 TeV to set these limits.