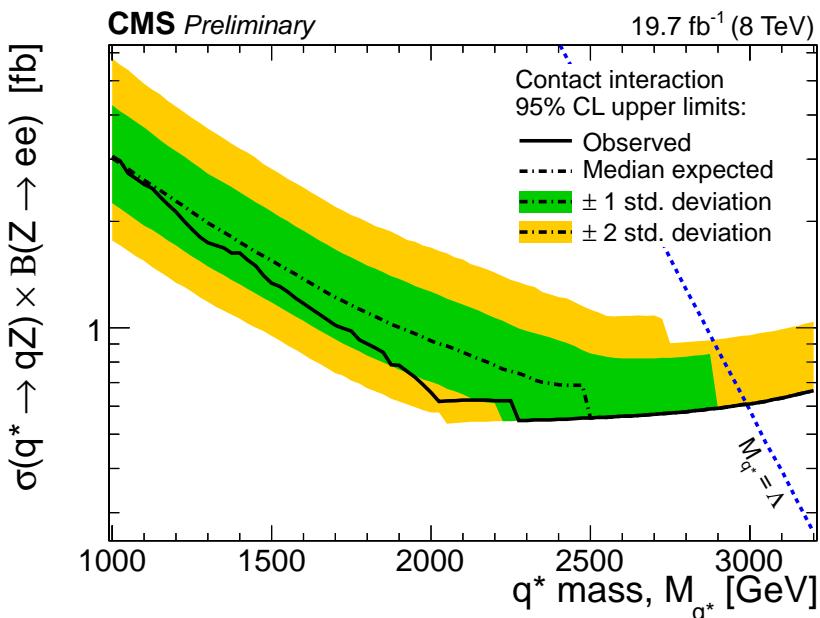


(a) Gauge interaction production



(b) Contact interaction production