(a) $M_{\rm col}(c,\tau,\tau)$ and $M_{\rm col}(\tau,\tau)$, Parton

$M_{\rm col}(c,\tau,\tau),\tau\tau$

$M_{\rm col}(c,\tau,\tau)$,ttjj

$M_{\rm col}(\tau,\tau),\tau\tau$

$M_{\rm col}(\tau,\tau)$,ttjj

$d\sigma/dM$

3.5

3.0

2.5

2.0

1.5

1.0

0.5

0.0

50

100

150

200

250

300

350

400

M(GeV)