\( \text{ATLAS Simulation} \)

1 b-tag, tight selection

solid line indicates that \( m_{jj} = m_H \) constraint is applied

- \( m_X = 500 \text{ GeV} \)
- \( m_X = 750 \text{ GeV} \)
- \( m_X = 1000 \text{ GeV} \)