

HL-LHC (ATLAS cuts)

$\sqrt{s} = 14\text{TeV}, 3\text{ab}^{-1}$

$pp \rightarrow e^{\pm}\nu\mu^{\mp}\nu$,

% Error

$$4.8637 + 19.543 \times \frac{M_{e\mu}}{\text{TeV}}$$

- ATLAS systematic error
- ATLAS statistical error
- Systematic error projection
- HL-LHC projected statistical error
- Current theoretial error
- Current theoretial error, without jet-veto

$M_{e\mu}$ [GeV]

0.1

10^1

10^2

10^3