Measurement of m_W from direct reconstruction

- Assume WW → lν jj events only

- Statistical sensitivity ~ $RMS_{Mvis}/sqrt(N_W)$

- To estimate calibration systematics :

  - Z calibration statistical uncertainty ~ $RMS_{Mvis}/sqrt(N_Z)$

  - Z → W extrapolation:

    - M_{vis} for W → ud, cs, us, cd   (#, mean value, RMS)

    - M_{vis} for Z → uu, dd, ss, cc, bb

    - M_{vis} vs M_{true} (to check linearity) in W and Z events

    - Rejection of Z → bb/cc events, and efficiency for Z → uu/dd/ss, or a typical b-tagging working point

    Who could produce these plots?