μμ → μμWW Backgrounds

John Stupak III
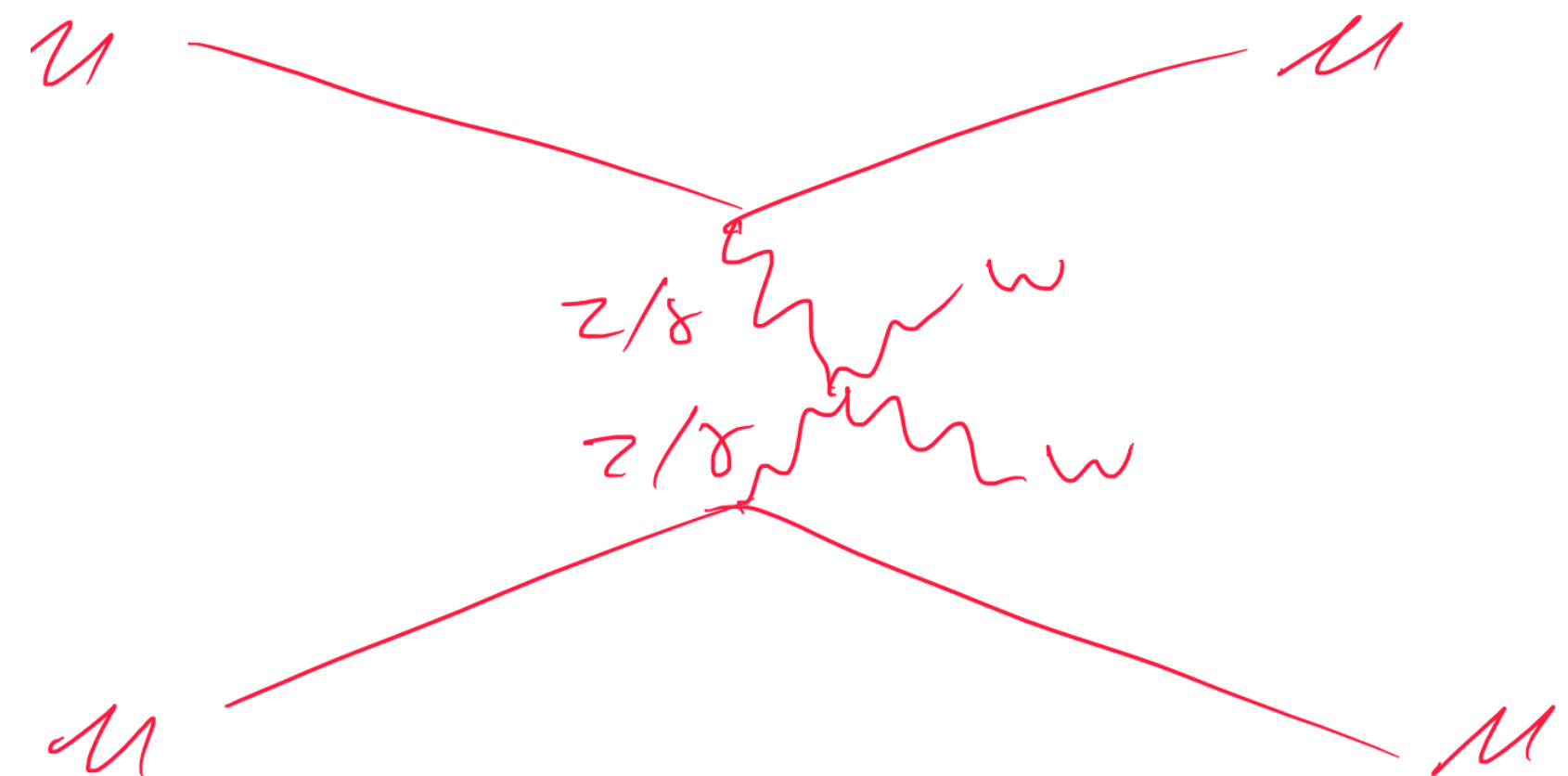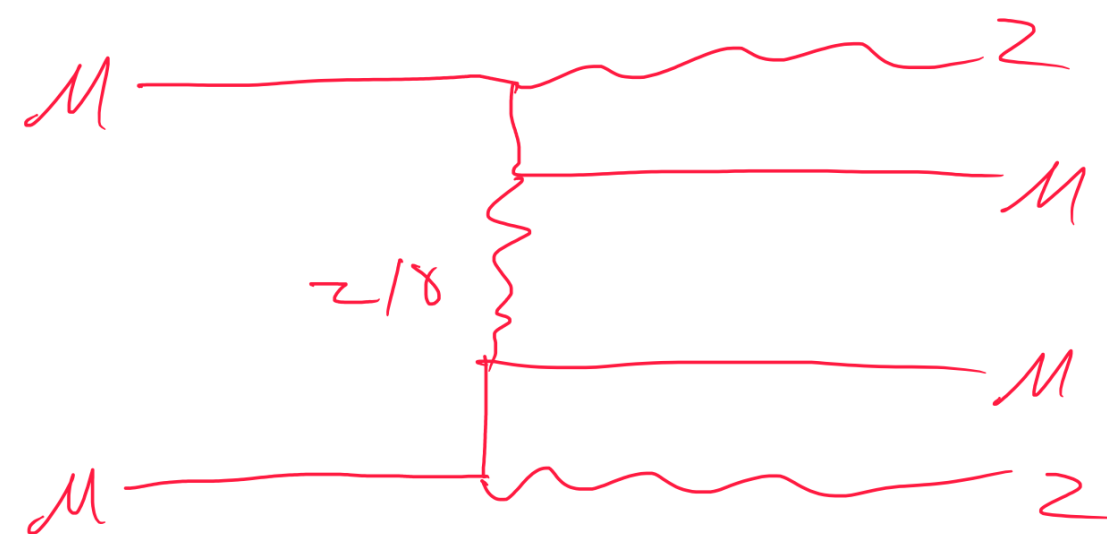
2/15/22

Backgrounds

- Signal/background process:

  - Considering final state with two beam remnant muons and two (merged) W→qq jets

- Diboson background:

Backgrounds

- Signal/background process:

  - Considering final state with two beam remnant muons and two (merged) W→qq jets

- Triboson background:

  - Included in the above SM sample (μμ→μμWW)

  - Should be negligible after Z veto

John Stupak - University of Oklahoma

Backgrounds

- Signal/background process:

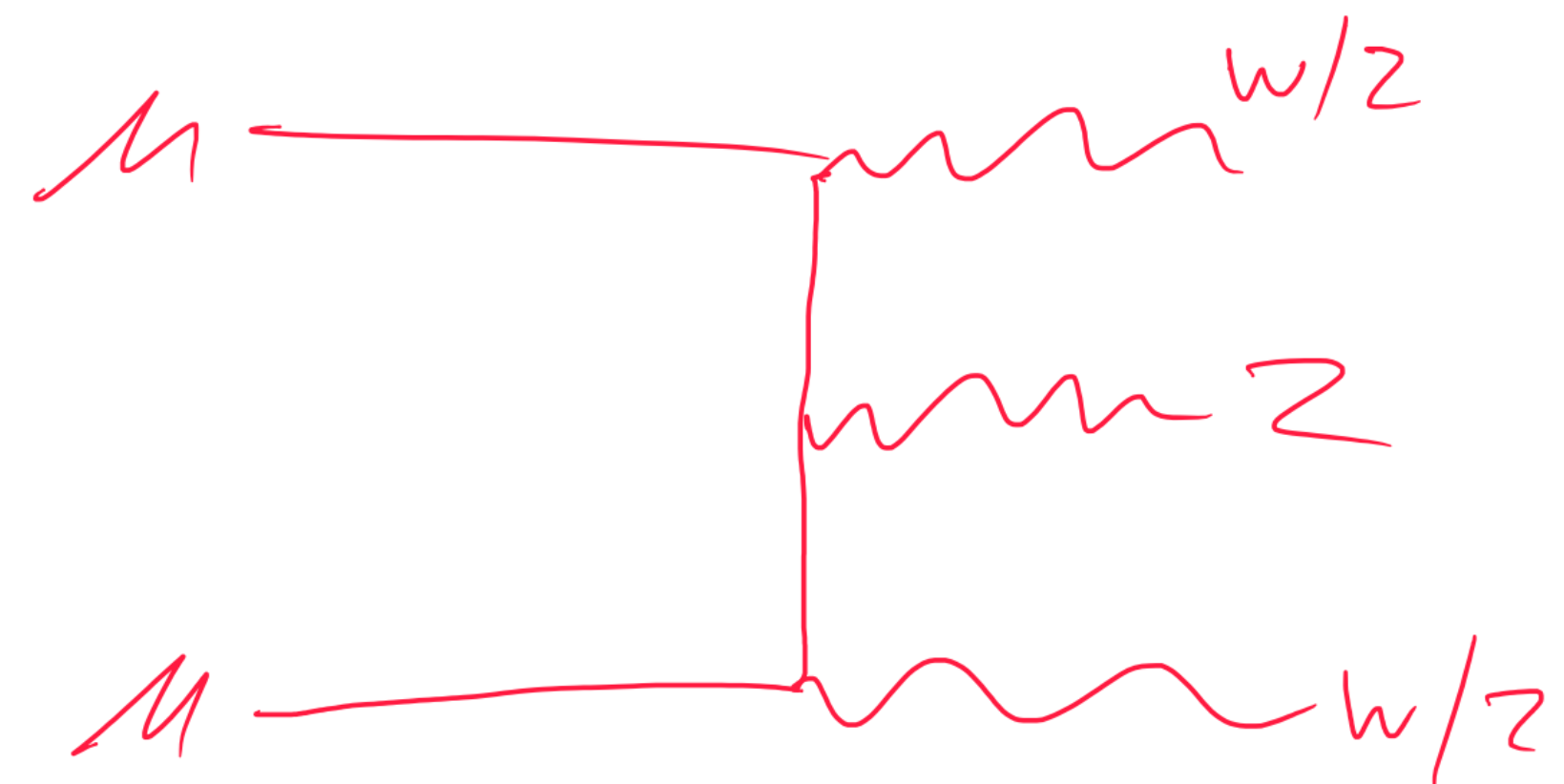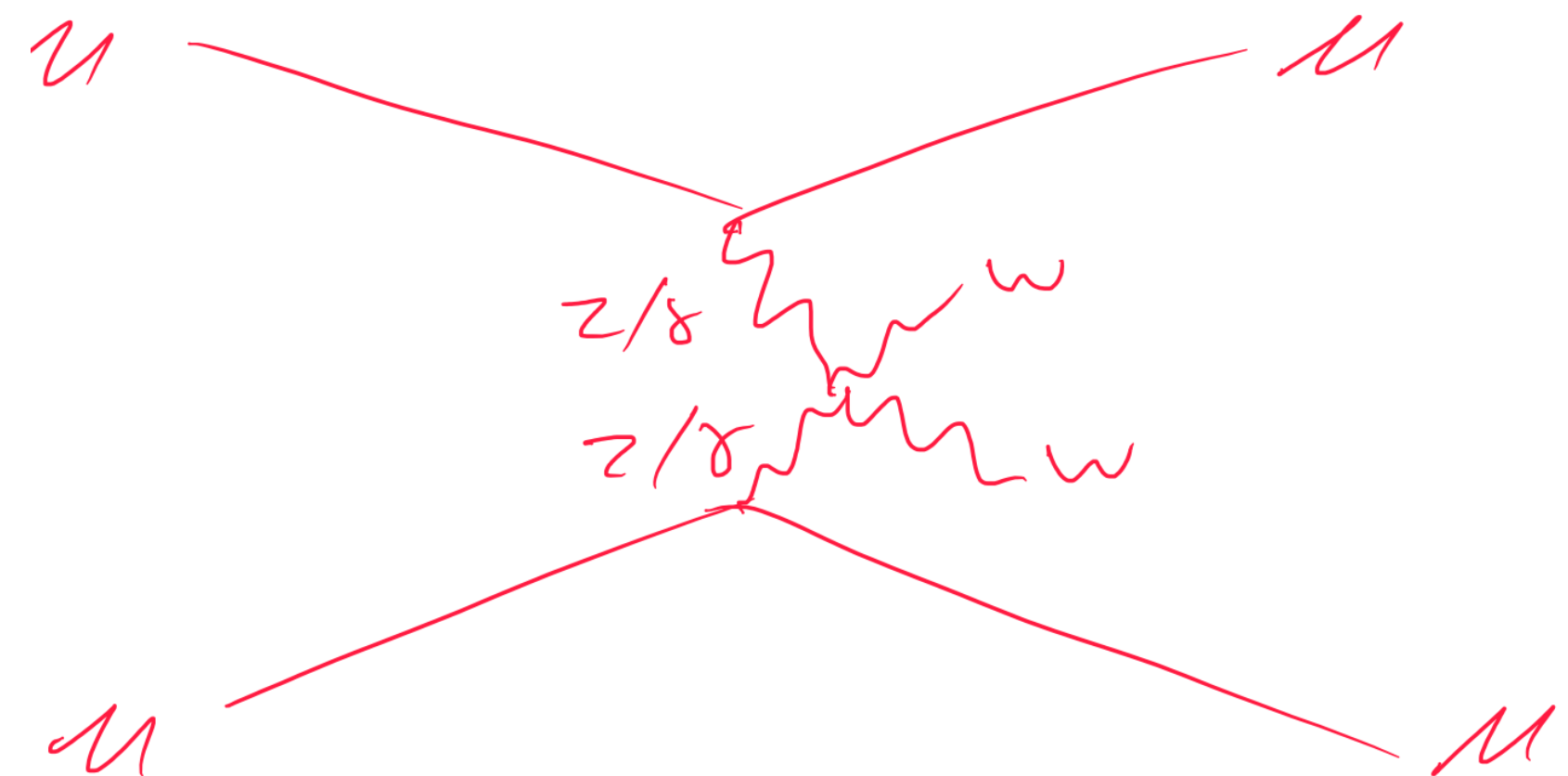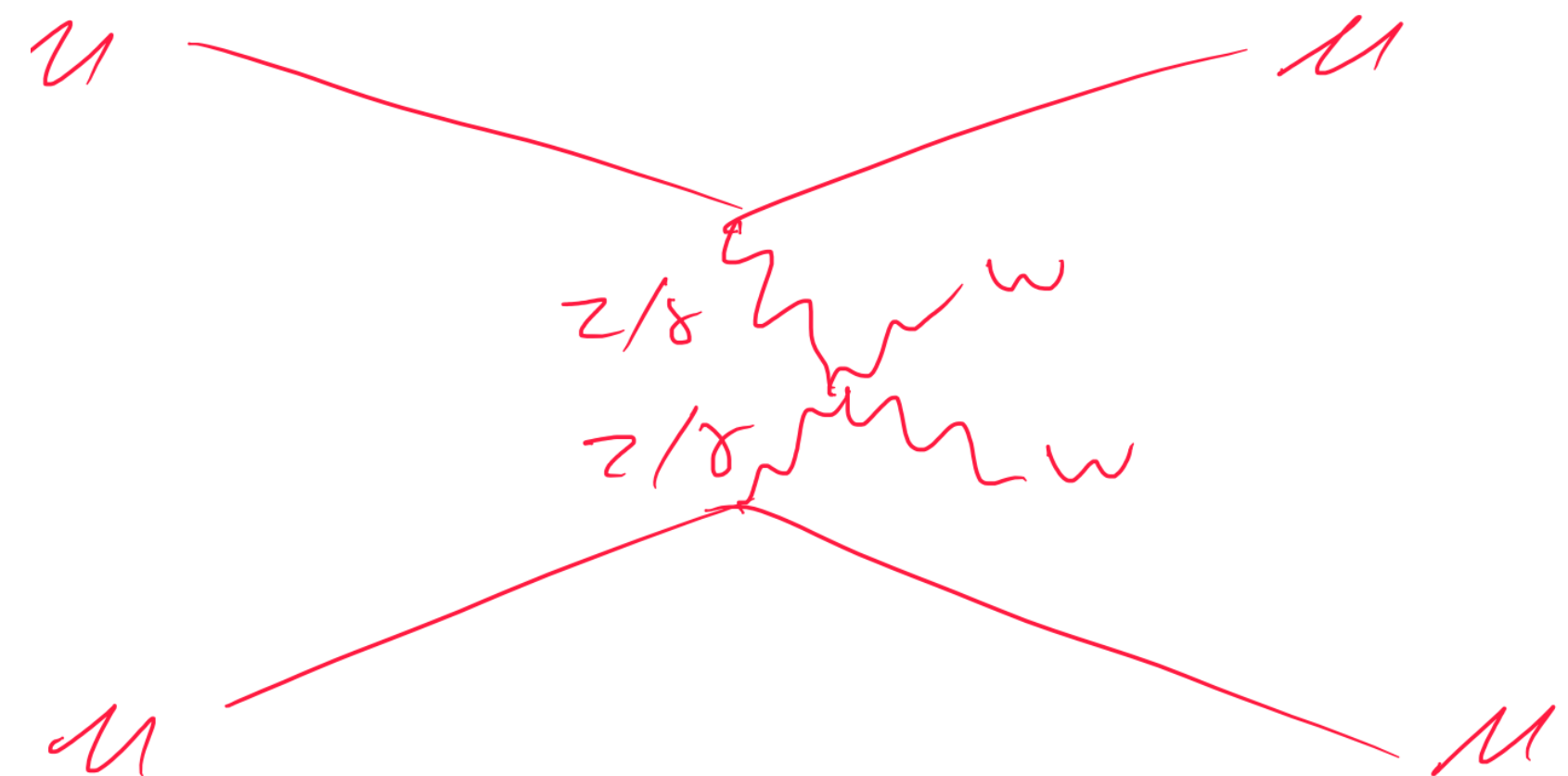 - Considering final state with two beam remnant muons and two (merged) W→qq jets

- Quadboson background: