MVA selection for $\tau \to 3\mu$

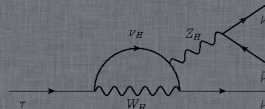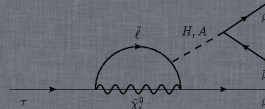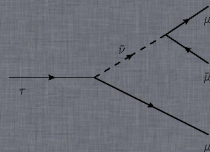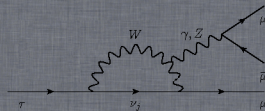## Marcin Chrząszcz[1,2]

[1] University of Zurich , [2] Institute of Nuclear Physics, Krakow,

January 27, 2014

University of Zurich[UZH]

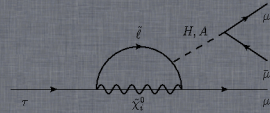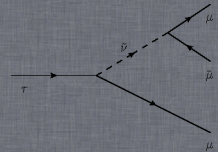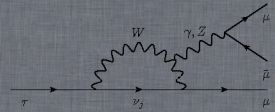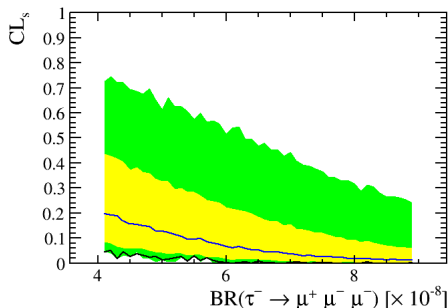Preliminary limit

Note
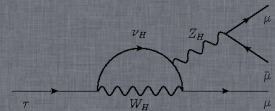
- With Paul and Basem we made the limit script working.
- Just a test, we took previous alpha, and new 2011 pdfs.
- Limit: 5.3×10^{-8}
- New binning and Blending did the job.
- Rule of thumb $5.3 \times 10^{-8}/\sqrt{3} = 3.05 \times 10^{-8}$
- Reminder babar had 3.2×10^{-8}.
- From looks of it we can do even better, Trash bins are smaller now :)

Note updates

- Wrote up BLEND section. Jon could you check and comment what is totally non understandable?
- Ntuples with triggers arrived.
- Need to write up binning optimisation(for tmr).

Note missing

- background chapter <- need 2 days for eta fits+binning for them.
- normalization
- Could we ask for WG aproval on 5th?