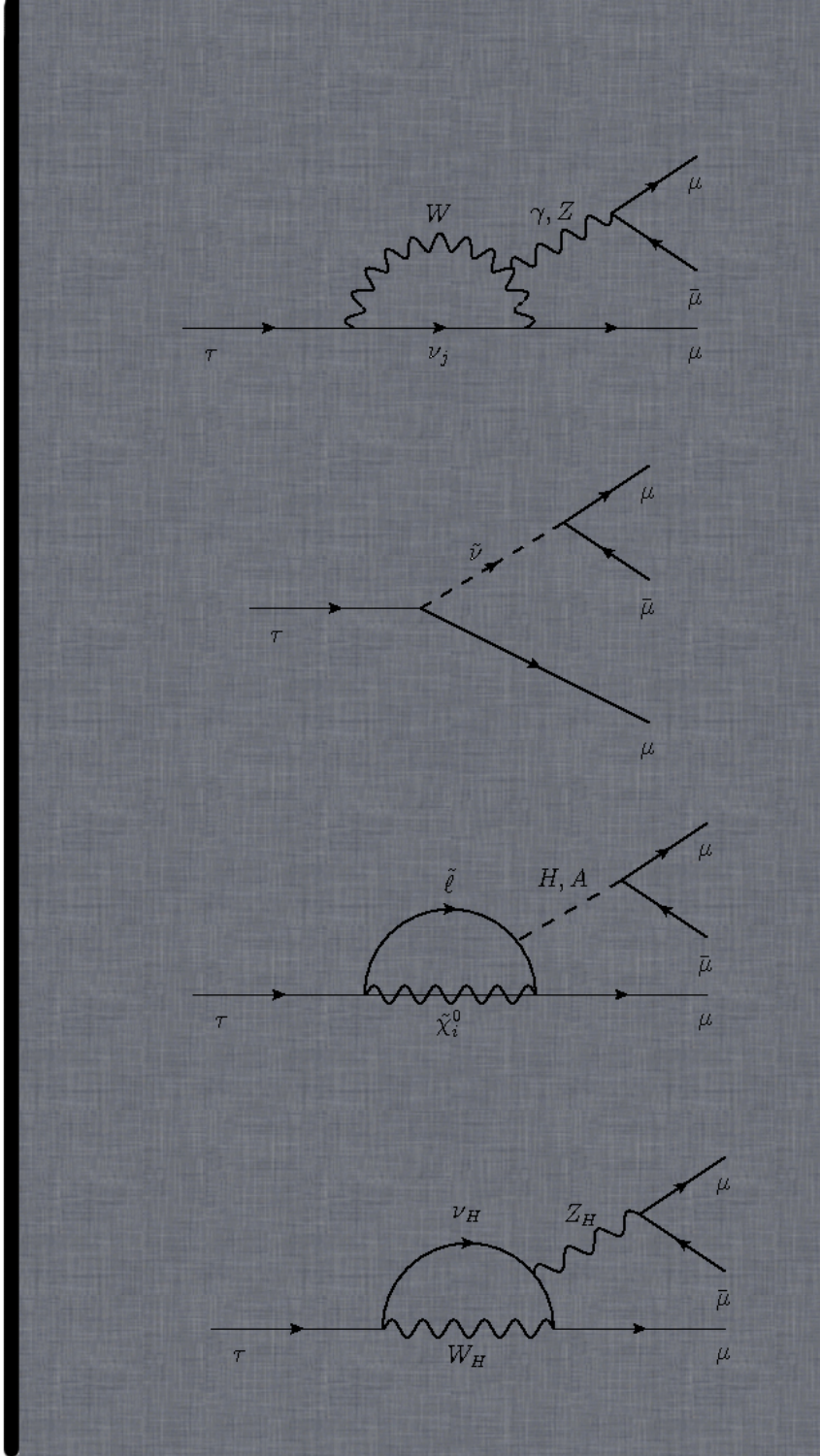
Updates on activities.

Marcin Chrząszcz[1,2] , Nicola Serra[1]

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

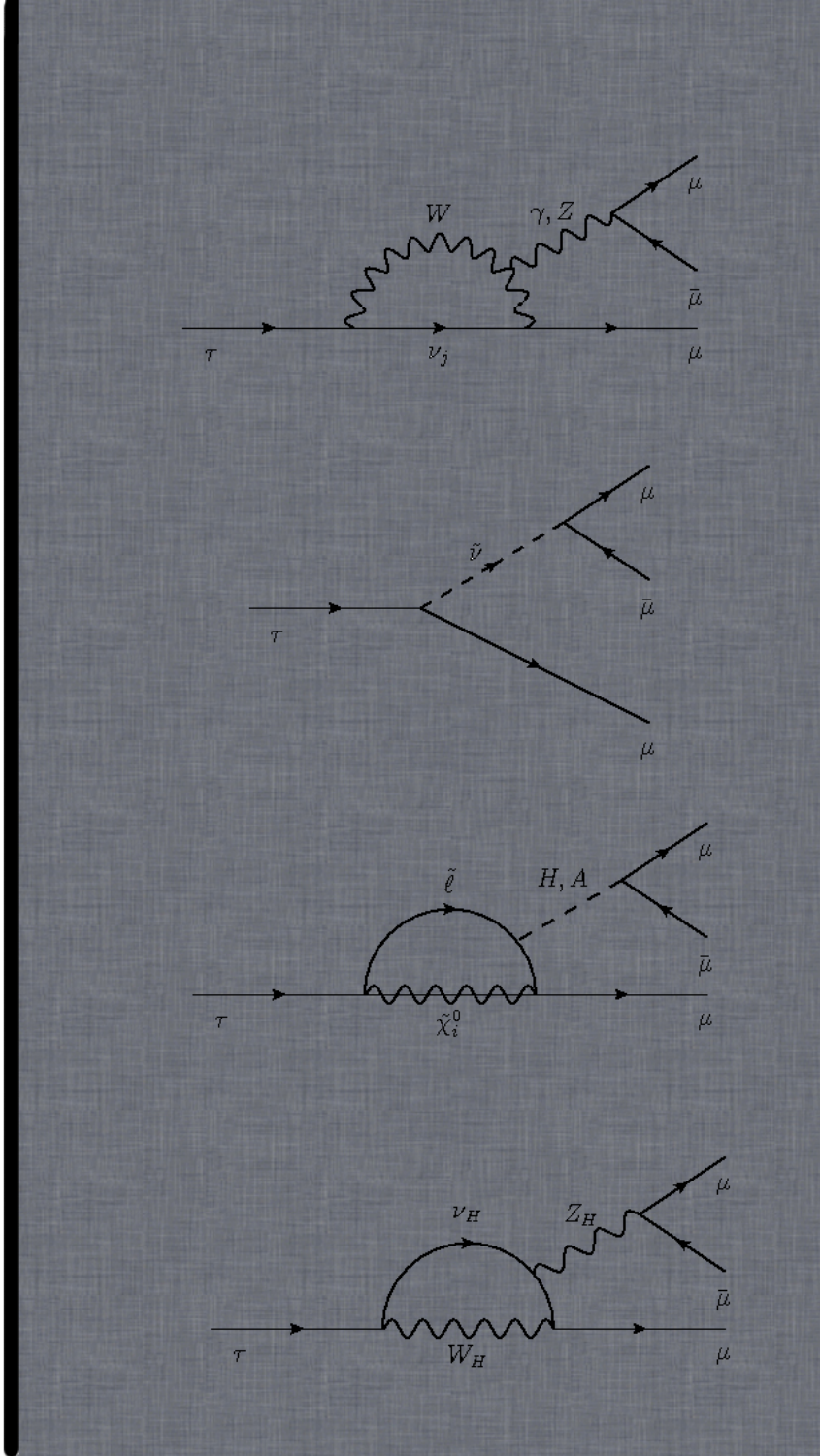
13*th* August 2013

University of Zurich[UZH]



MC for EW penguin

$\tau \to 3\mu$



MC for EW penguin

1. 90%of my time I wasted on fighting/answering questions from convenors.
2. On Monday finally Gaia understood that questions they want can not be answered without that MC sample.
3. There is agrement to have $100 pb^{-1}$ first and then the rest.
4. Lots of problem computation the time of the simulation.

M.Chrząszcz, N.Serra 2013

MC statistics

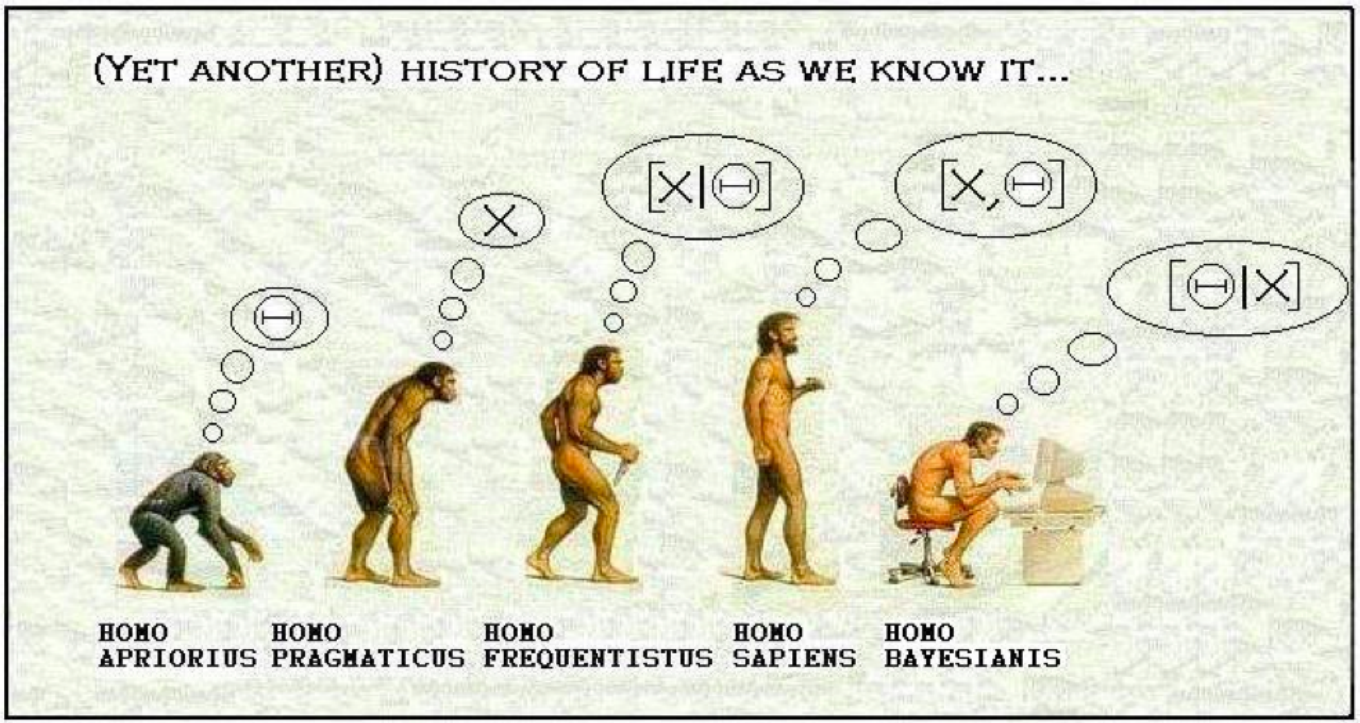
REMINDER: There was a question asked if we need more MC bck to gain on MVA

1. Fast studies done by Paul suggest yes.
2. I investigated separately $b\bar{b}$ and $c\bar{c}$ sample and found that we saturate the current classifier.
3. Why?
4. Paul optimised on 99 bck rej.so easily over fitted

M.Chrząszcz, N.Serra 2013

Limit setting

1. Stated plaing with BAT(Bayesian Analysis Tolkit)
2. Since LHCb limit uses many bins I stated with one bin.
3. Compared limit from CIs and Bayesian.
4. They are in agreement. will try reproduce 2011 result.



M.Chrząszcz, N.Serra 2013