### Light in the tunnel

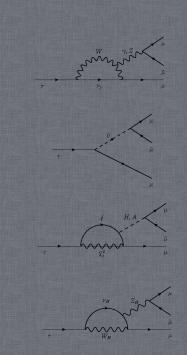
Marcin Chrząszcz<sup>1,2</sup>

University of Zurich, <sup>2</sup> Institute of Nuclear Physics, Krakow,

March 6, 2014

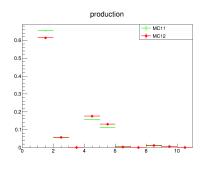


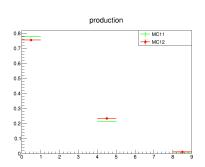




### Yet a nother xcheck

• Compared 2011 ntuples and 2012 in terms of  $\tau$  production.



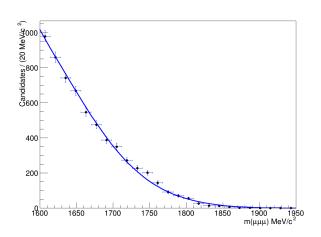


## Where did we go wrong?

- Last week with Jon we checked all the efficiencies.
- I have run out of ideas where the hell is the bug.
- The easy solution will be: fuck the mixing and the stuff we are doing.
- Do it the old fashion way.
- Opinions?

# $\eta$ background.

#### The best fit I managed to do on MC:

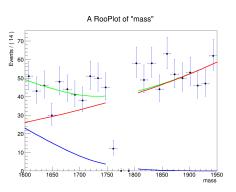


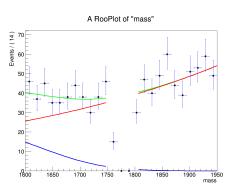
M.Chrząszcz 2014

Update on analysis  $\eta 
ightarrow \mu \mu \gamma$  bck 4 / 6

# $\overline{\eta}$ background.

Fixing the PDF and letting the  $\eta$  component in the fit free some times works some times don't.

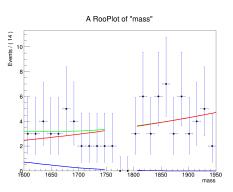


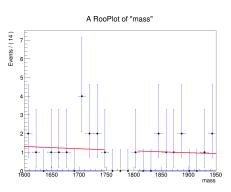


Update on analysis  $\eta o \mu \mu \gamma$  box 5 / 6

## $\eta$ background.

Fixing the PDF and letting the  $\eta$  component in the fit free some times works some times don't.





Update on analysis  $\eta o \mu \mu \gamma$  box 6 / 6