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

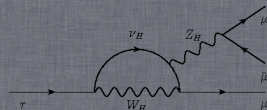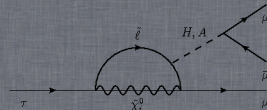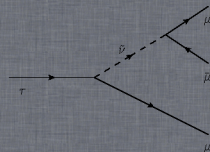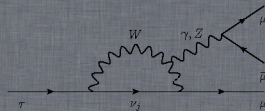### Marcin Chrząszcz[1,2]

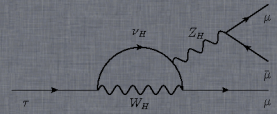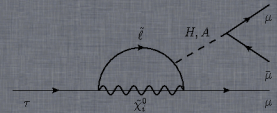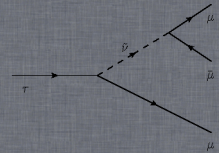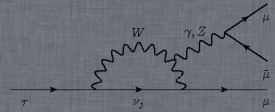[1] University of Zurich , [2] Institute of Nuclear Physics, Krakow,
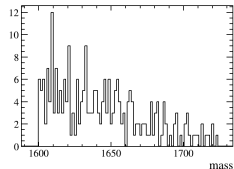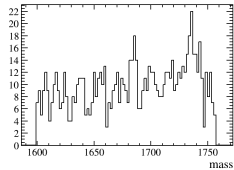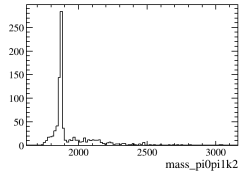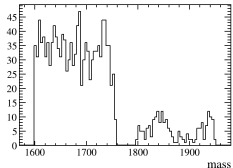
January 21, 2014

University of Zurich[UZH]

Strange bin

Binning optimisation
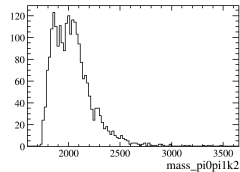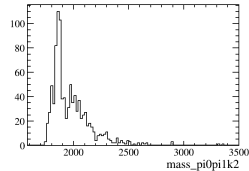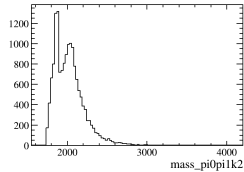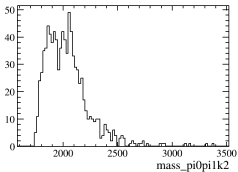
MC/DATA comparison - FINAL

Method of Moments

strange bin

- Lets look on the bin that Basem reported to be problematic.
- We clearly see $D \to K\pi\pi$
- Lets select now the D mass window events.
- We see the shape.
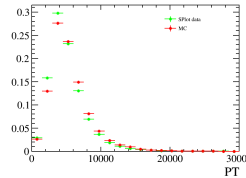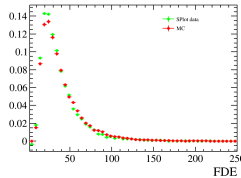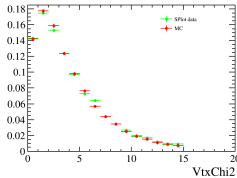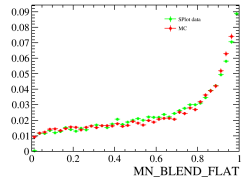- Now lets try to to see how other events look like.

strange bin

- Running new binning optimisation with full cut string from Paul
- Checked and cut on PID > 0.49 can be fine tuned.
- We can get again flew % on the limit.

MC/DATA comparison - FINAL

M.Chrząszcz 2013

MC/DATA comparison - FINAL

M.Chrząszcz 2013
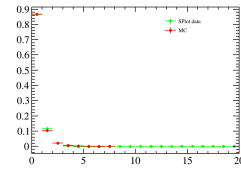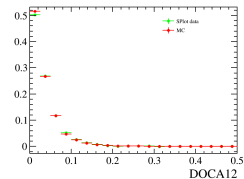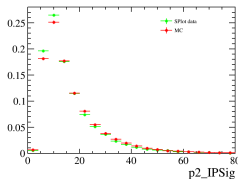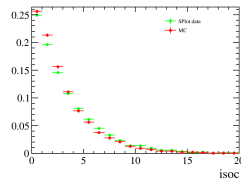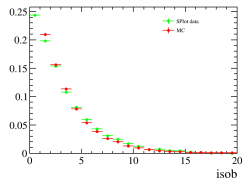
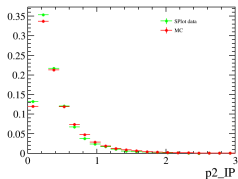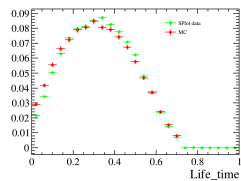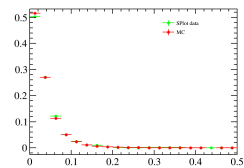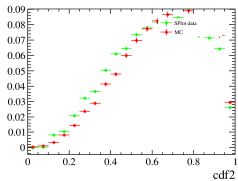# Method of Moments, Error estimation

- Last week I have shown how do we converge with the J as a function of the number of events.
- Now checking if the errors are correct.