

Updates on activities.

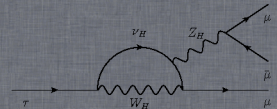
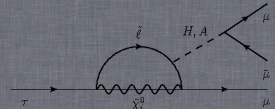
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24th September 2013

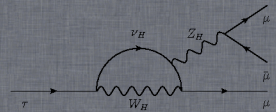
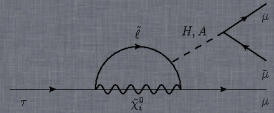
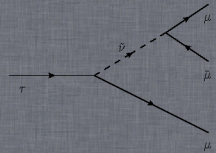
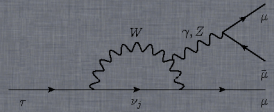


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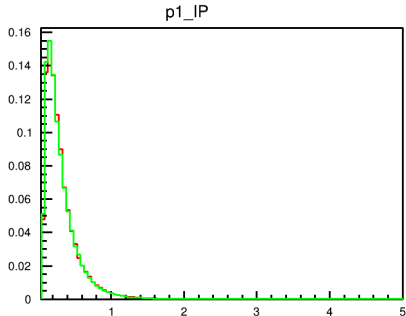
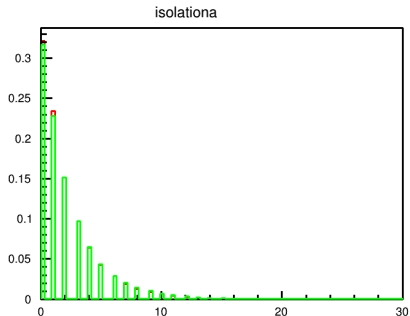
$$\tau \rightarrow 3\mu$$

$$B \rightarrow K^* \mu \mu$$



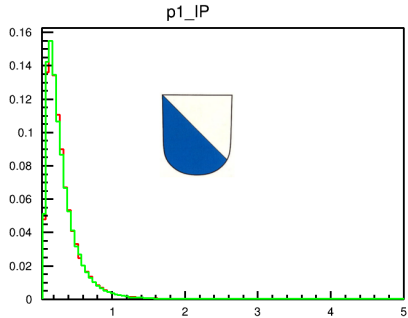
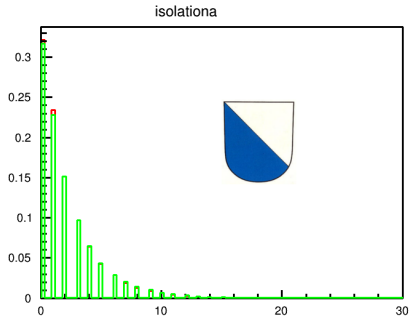
Krakow MC validation

- For each for signal channels: $D_s, D, B \rightarrow D_s, B \rightarrow D, B$ I compared the input variables used fro training.
- Perfect agreement.



Krakow MC validation - Conclusion

- Following Nicos joke
- All plots in supporting material.

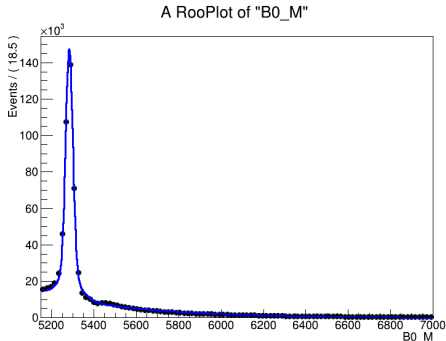


TCK nightmare

- I started using C. Fitzpatrick tool: RawEventJuggler
- After many fu**, etc. managed to make it work.
- Now DV has problems with new location of TCK
- God why have you abandon me?

Staring of the MVAing

- Strategy is the same as french people.
- Starting with SPlot.
- Mea Culpa- Forgot $B_s^0 \rightarrow K^* J/\psi$
- To be fix asap.



MC bck

- Prepared option file, based on $\tau \rightarrow 3\mu$.
- Removed all P_t cuts.
- Rised the $M(\mu\mu)$ from 4.5GeV to 5.1GeV
- Last night simulated 1M sample.
- Normalization to be calculated for tnr.
- We plan to ask two samples: Pure MC and filtered production
- One for tuning the future stripping MVA second for bck studies.

Isolation V3

- I further improve our isolation parameter(I think)
- Till now we were counting only the number of tracks that passed our selection.
- Added two more quantities: mean and minimum.
- In our training we will use 3 isolation parameter
- by eye comparison this should help.
- to be check soon with BDT.