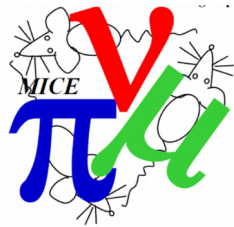
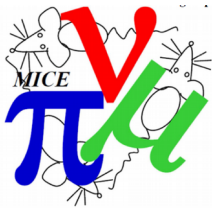


# System performance paper

P. Franchini



**MICE VC**  
**June, 4 2020**

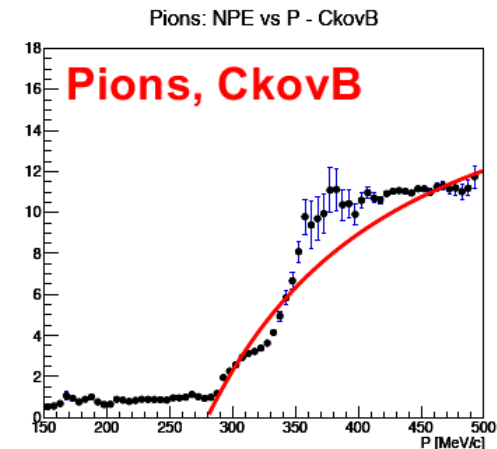
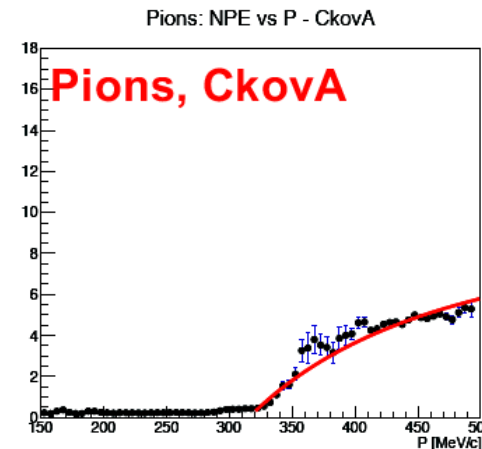
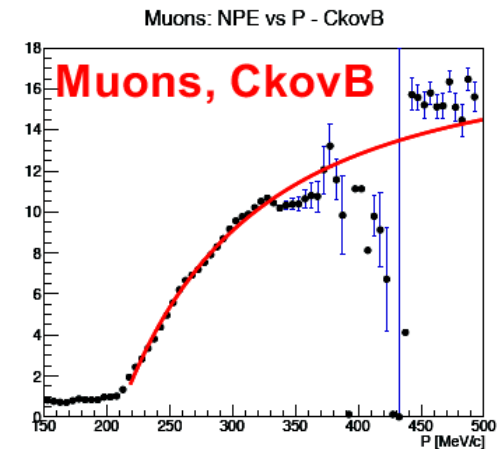
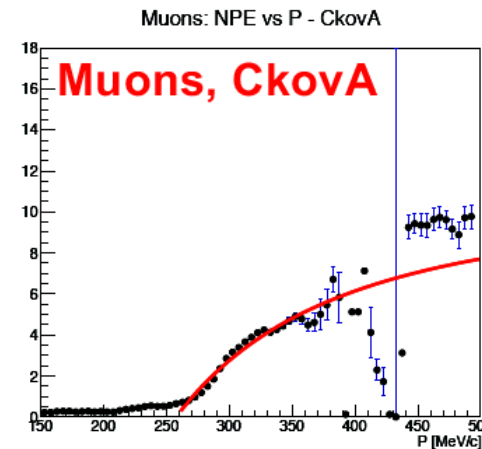


# Current status

- Review of the draft is in progress (Alan and Ludovico)
- First review meeting: 14/5
  - First round of both technical and stylistic comments
- Next review meeting: 11/6
  - Second draft circulated today
  - Tried to address most of the comments
  - Ckov has been discussed in parallel

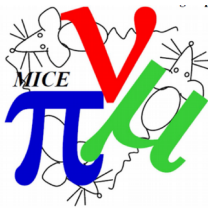
# Ckov – with PID

- PID still puzzling
  - Paul Soler’s student plots →
  - Contamination?
- Multiple refractive indices?
- Different activations?
- Delta rays?
- Different backgrounds?

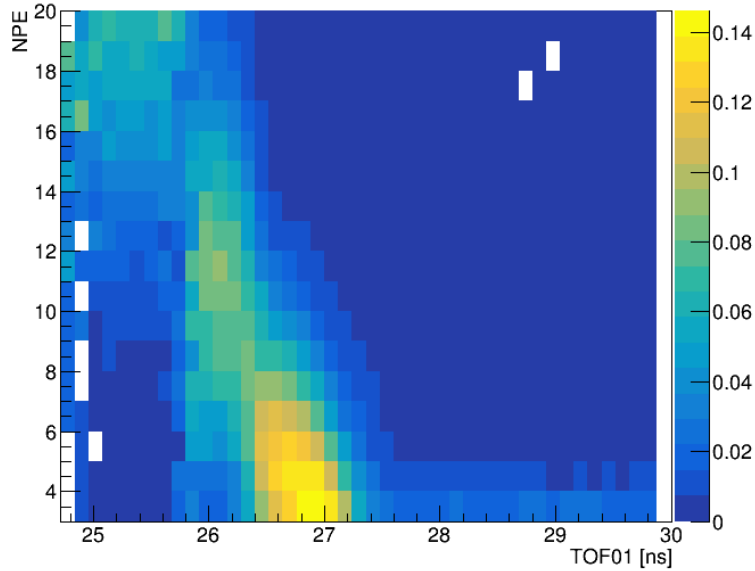


MICE Analysis meeting, 23 April 2020

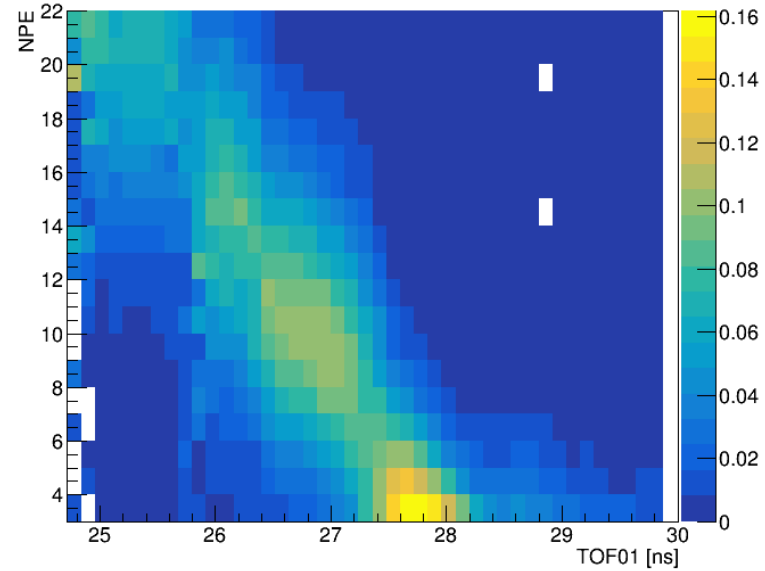
# Ckov - velocity



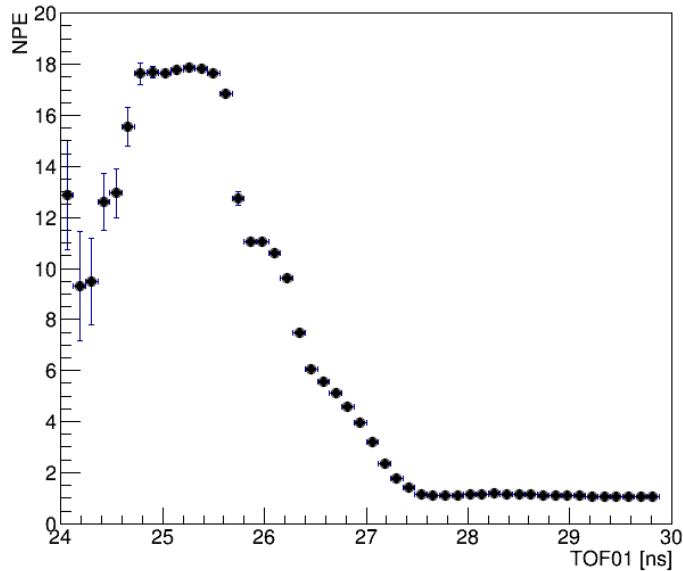
NPE vs TOF01 - CkovA



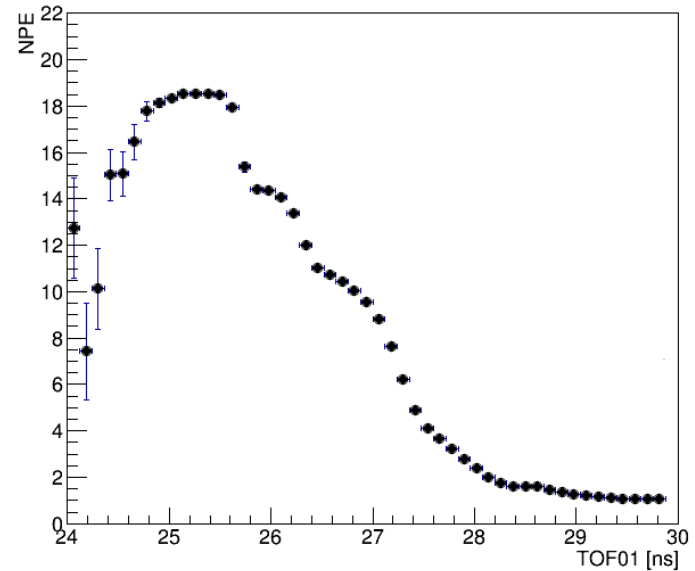
NPE vs TOF01 - CkovB



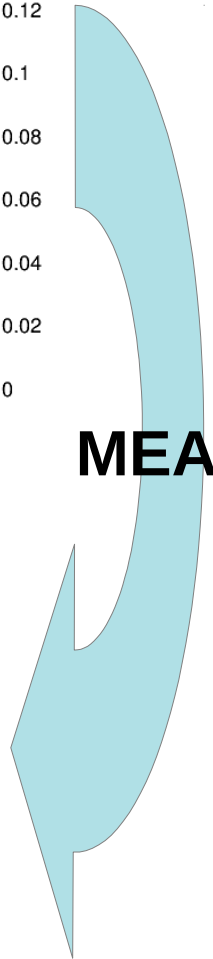
NPE vs TOF01 - CkovA



NPE vs TOF01 - CkovB



**MEAN**



# Ckov



- For the paper:
  - Only 2D histograms
  - Extract calibrated refractive indexes and PE saturations

