About PMTS

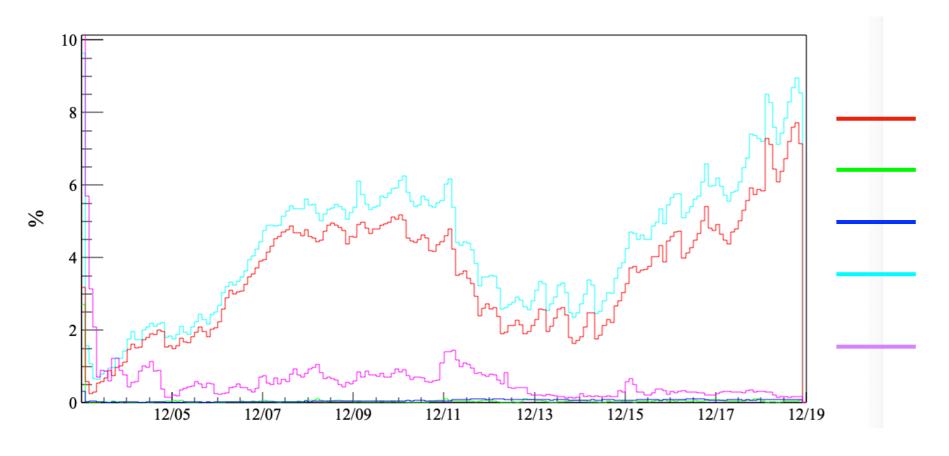
Data set: all events between 1/1/2004 and 31/12/2019 no selection

Method: check in all calibrated Stations wit an exclusive hierarchy

- 1. mask -> % of masked PMTS
- 2. Quality cut flags (1rst level based on moni data)
 - -> % PMT cuts
 - -> % Anode only cuts (if HG saturated)
- 3. Event by event Quality cuts (2nd level based in instantaneus D/A and VEM values)
 - -> % of additionnal cut PMTs
- 4. Failed fit (in that case the PMT is not cut)

Plots:

- for each month we give percentage for each cut relative to the total number of PMTs of the active tanks
- for each month, we average the percentage for each tank and then make the average for all active tanks (to avoid a distorsion of tanks triggering much more than others, such as infill or aeralet)





1rst level PMT cut (monit)

1rst level PMT anode cut (monit)

total PMT cut (mask+monit+2nd level cut)

failed fits

