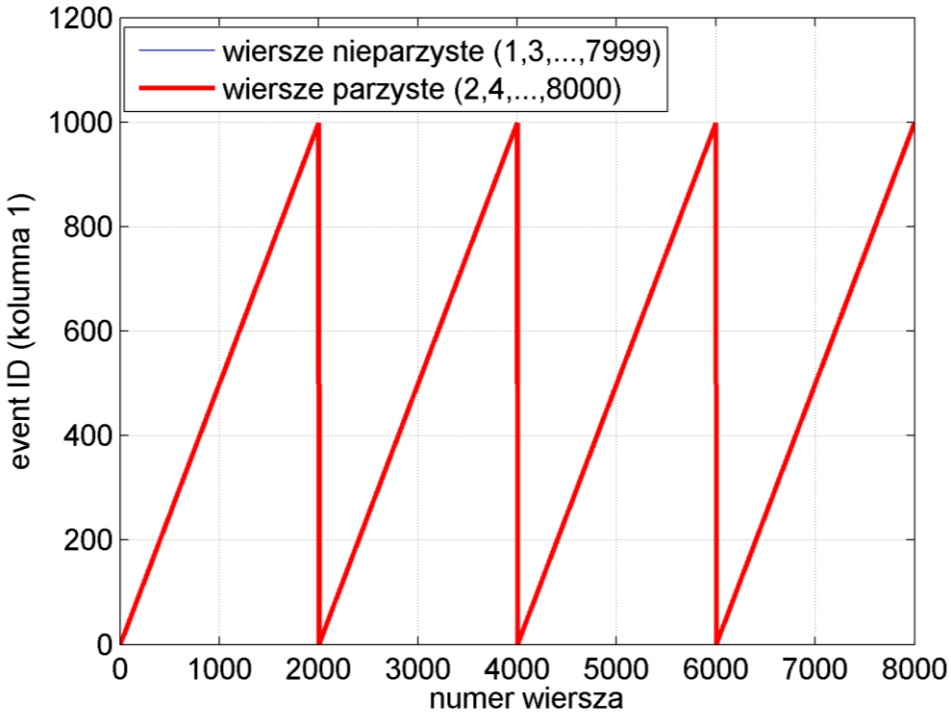
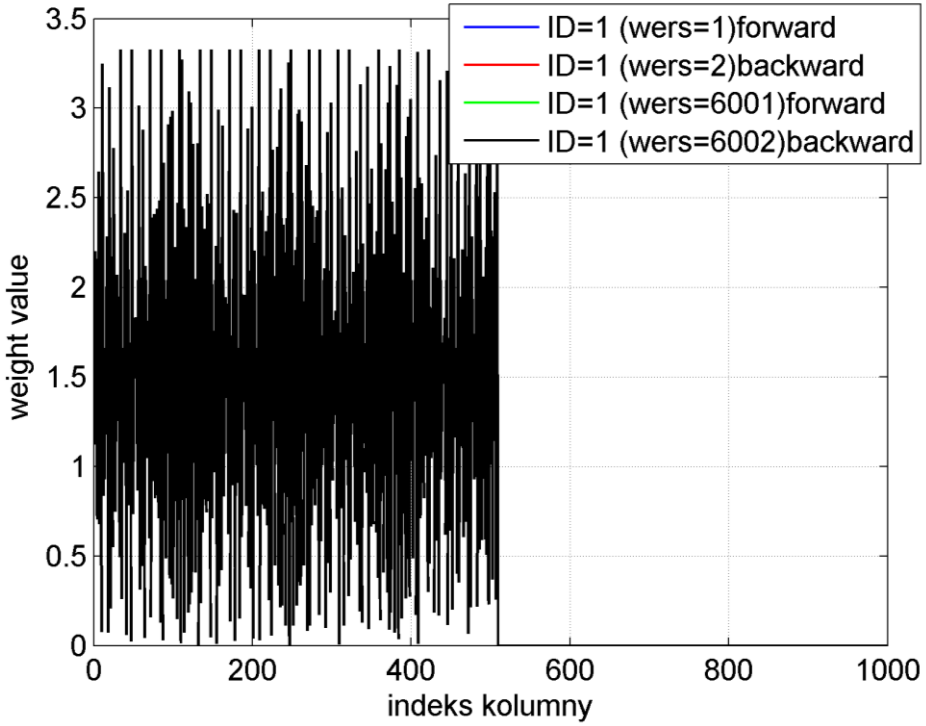
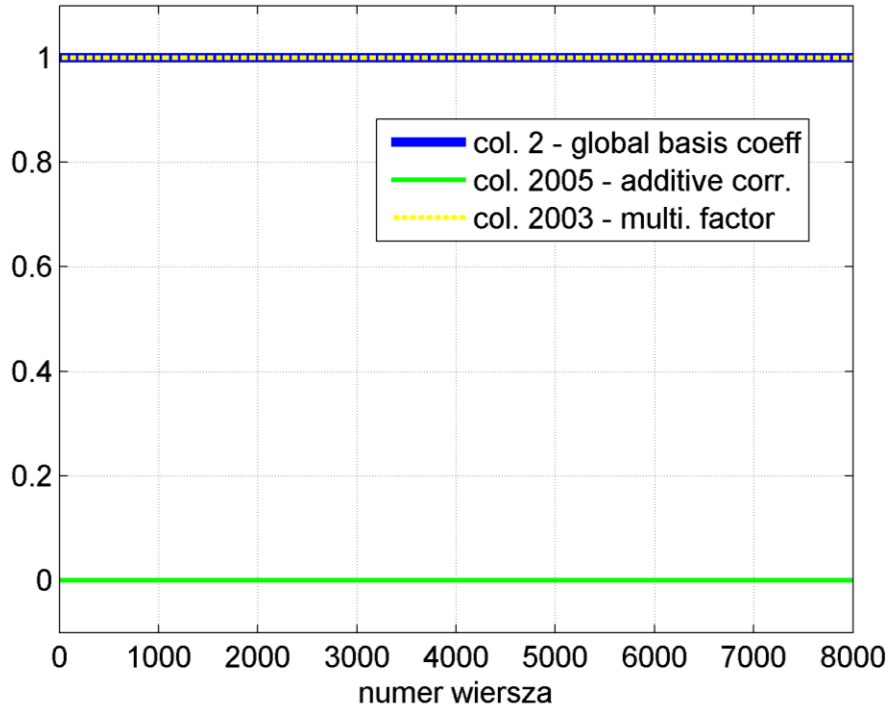
dump_true_nontof_test

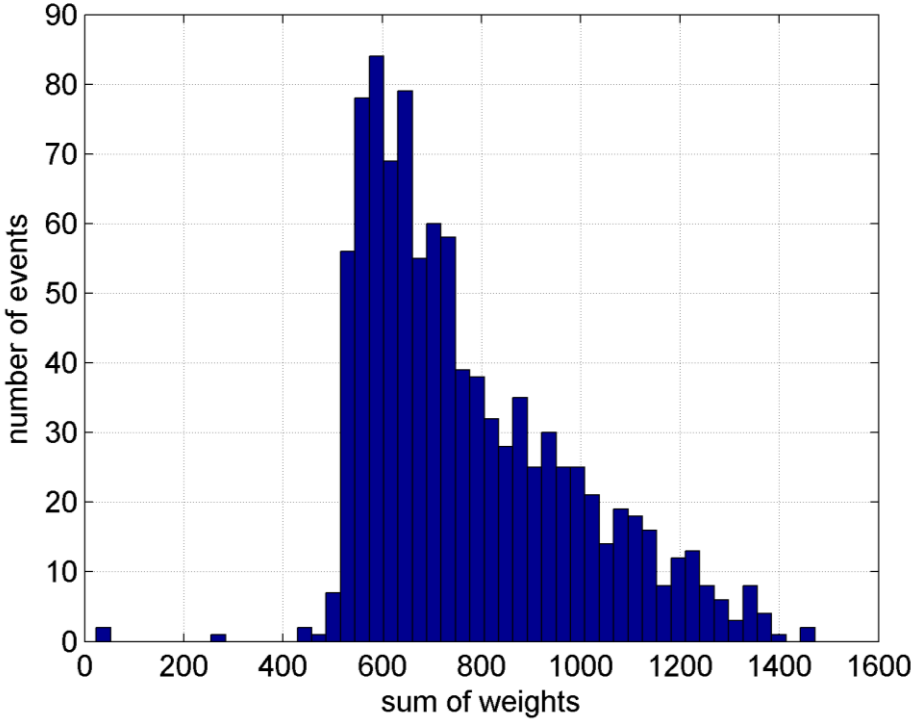




- Identification of forward and backward projection (left)
- Analysis of weights of event with ID = 1 (right); it seems that the values are stable with respect to:
  - ❑ forward and backward steps (blue-red and green-black curves)
  - ❑ different iterations, here 1st and 4th (blue-green and red-blue)

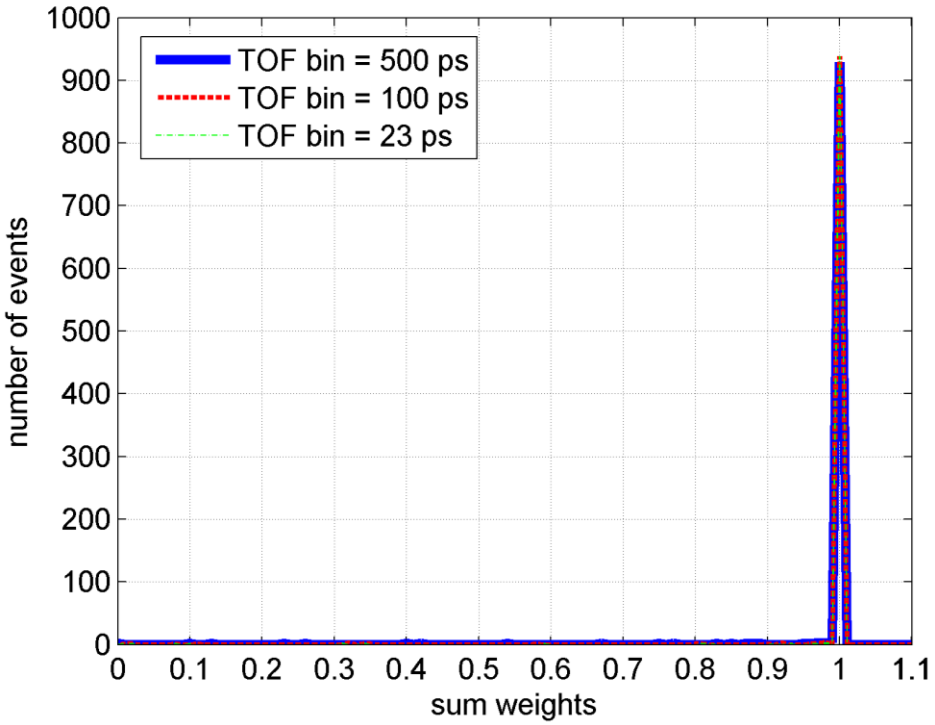
dump_true_nontof_test

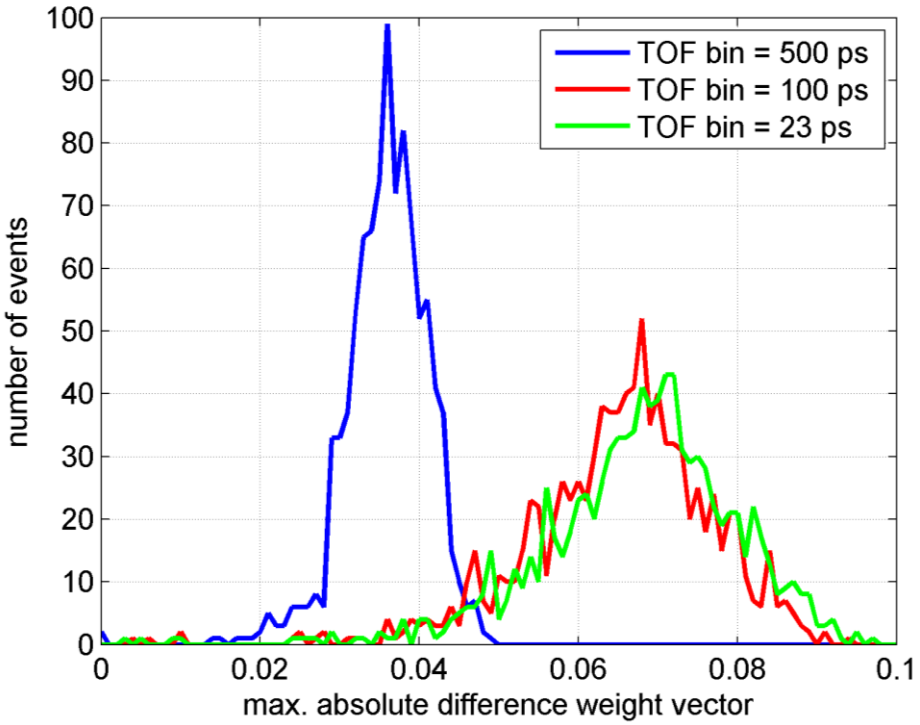




- Analysis of CASToR variables (global basis coefficient, multiplicatice factor) shows that they are constant with respect to the iteration number (picture on left)
- In case of NON TOF data sum of weights for a given event is no longer equal 1 (see figure on right). On the other hand these value does not correspond to the system matrix elements – probabilities should be much, much smaller !!
- It was checked that **WEIGHTS USED IN FORWARD AND BACKWARD MODEL ARE THE SAME**

dump_factor_20000_tof_bin_*ps (500,100,23)





- In case of TOF data (for different TOF bins) sum of weights for a given event is equal 1 (figure on left)
- The distributions of maximal absolute difference of weights change for varies TOF bins 23, 100 and 500 ps (figure on right); the smaller the TOF bin the higher the maximal absolute weight difference.
- For TOF data **WEIGHTS USED IN FORWARD AND BACKWARD MODEL ARE THE SAME**