Hi klaus,
thanks for your pictures, I have only one question.

If I compare the new picture to what you showed in the first message, after your doubles cleanup, I can see that in the old plot you have a peak at 1000 and a signal peak at 400, in the new plot you have a peak at 1600 entries and a signal peak at 400.
It seems to me that now we have less doubles, the same signal efficiency, but we have a higher combinatorial after your doubles cleanup than before. In this sense the situation has improved but maybe not so much,
Or have I missed something? What do you think?