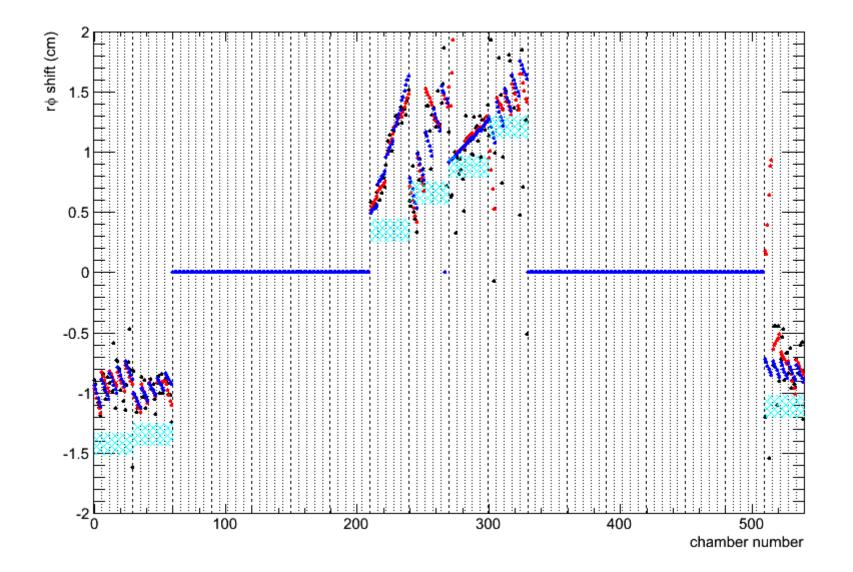
first TRD alignment set with cosmics 2009

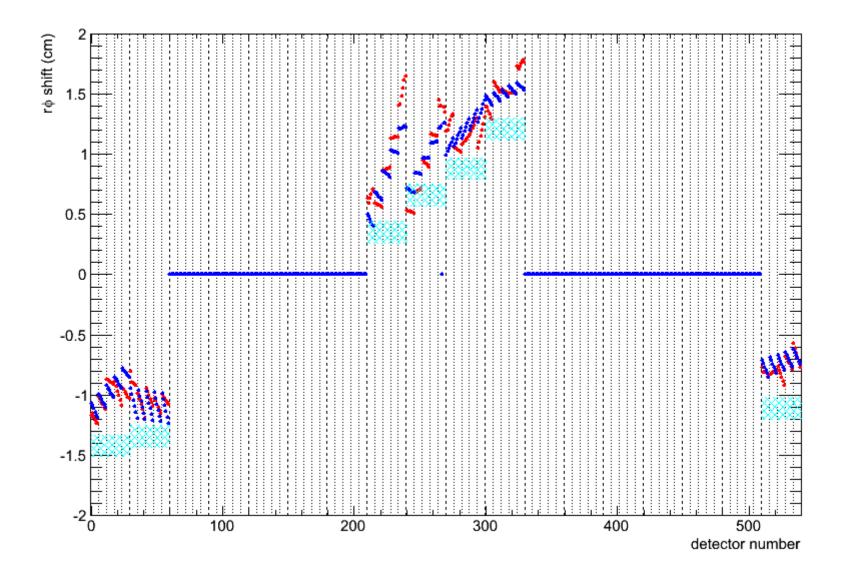
status on 24-11-2009

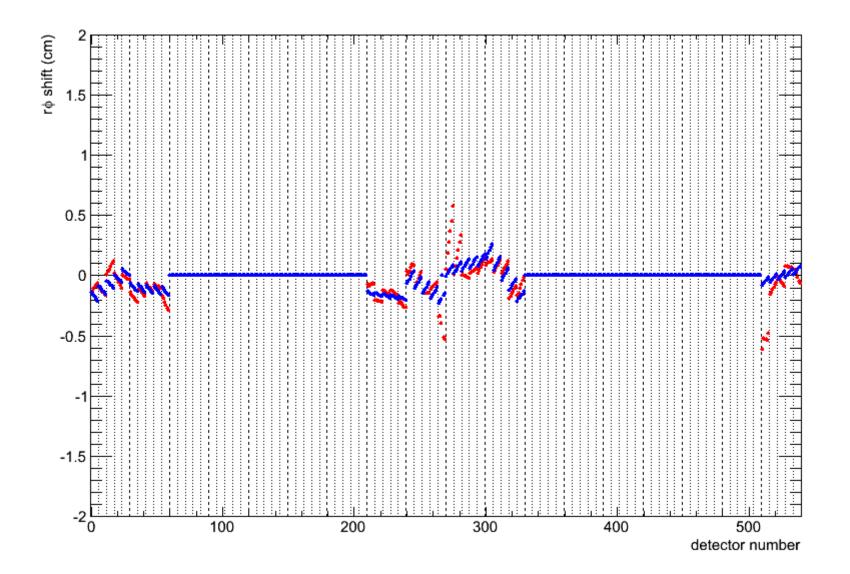
Chamber-by-chamber (black), stack-by-stack (red), supermodule-by-supermodule (blue), survey (cyan)

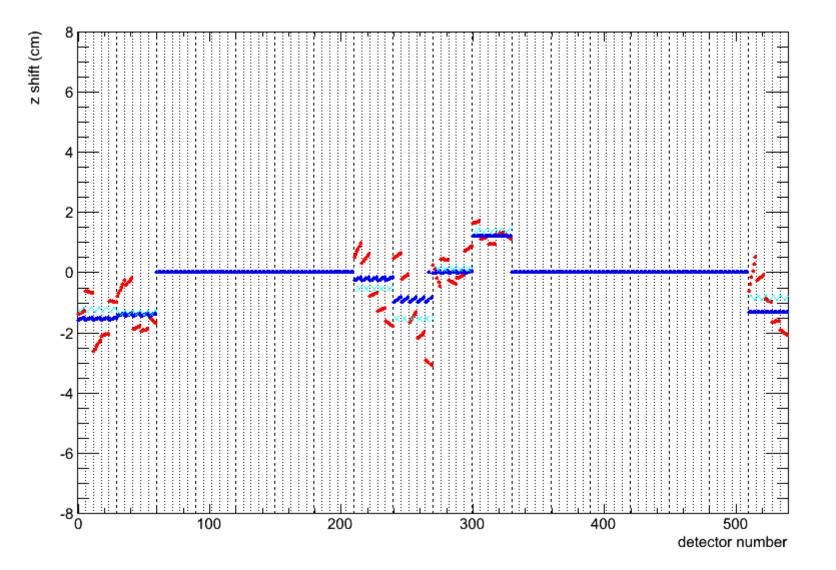


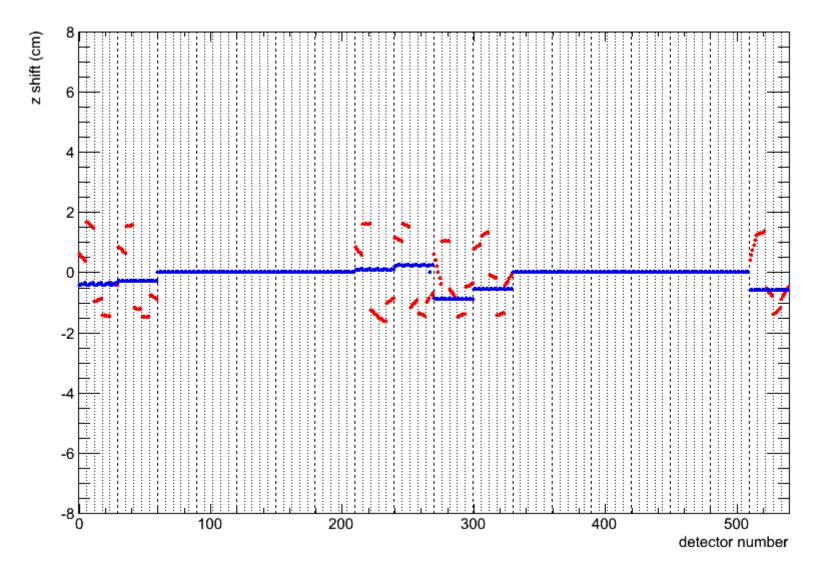
alignment set Run0_999999999_v2_s0.root

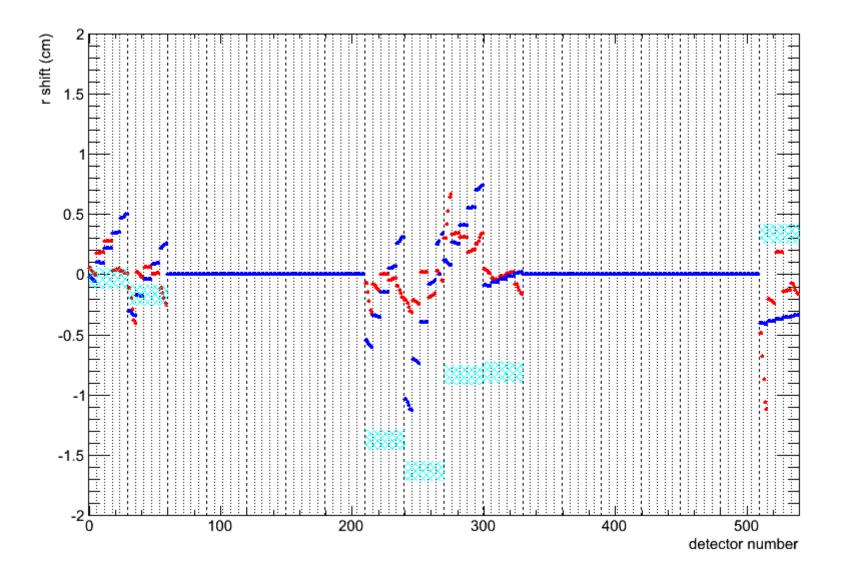
- Solution Strategy 2009 2009
- the other five parameters from the TPC/TRD alignment obtained with cosmics 2009, with B=0, with Kalman track fitter, minimization performed on whole supermodules (blue points on the previous slide)
- validation by applying during reconstruction of run 96287 (B=0.12 T) and rerunning the alignment procedure on the resulting ESDs – should give zero misalignment

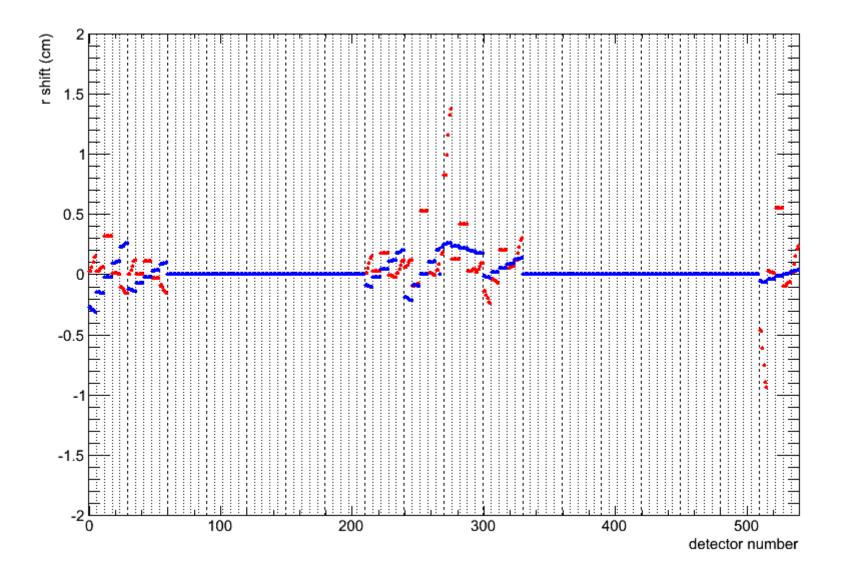


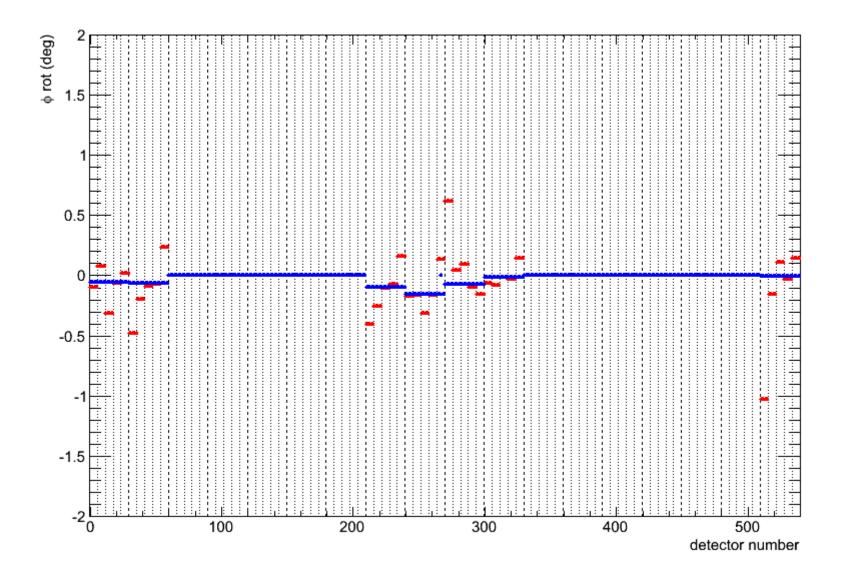


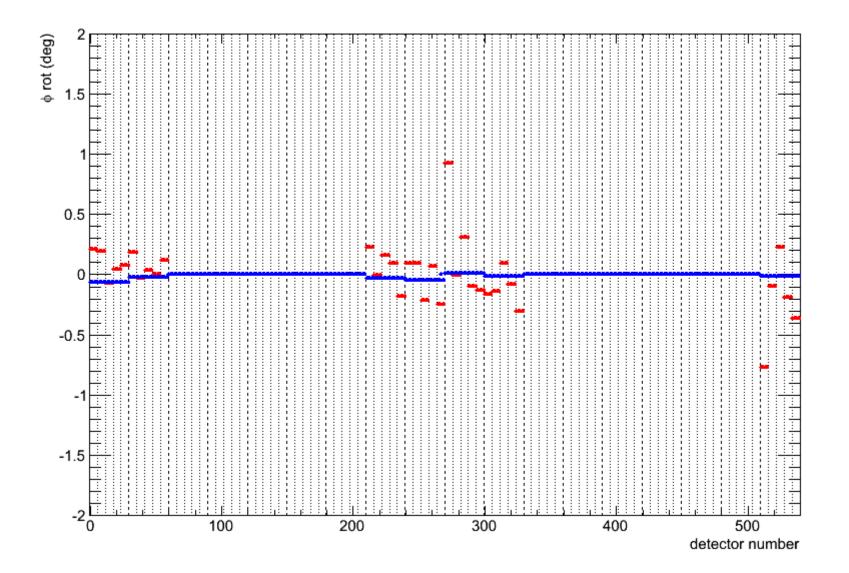


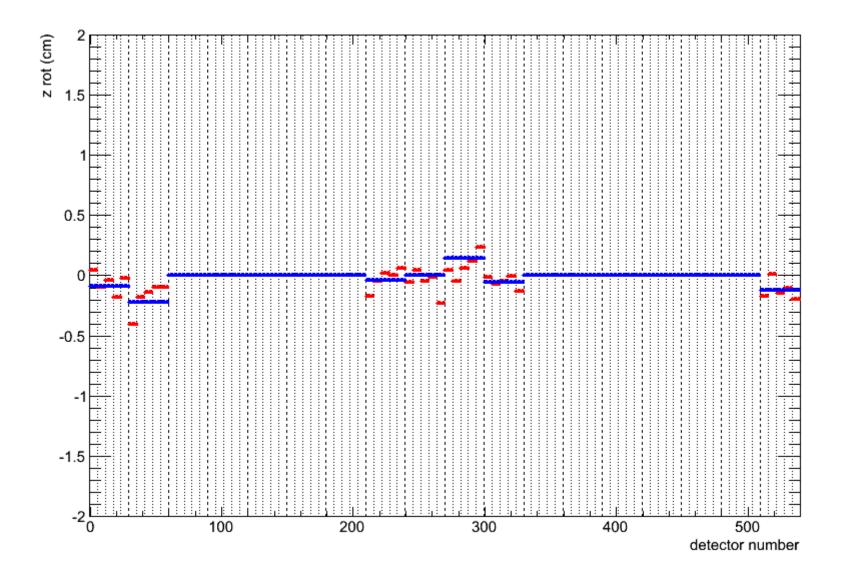


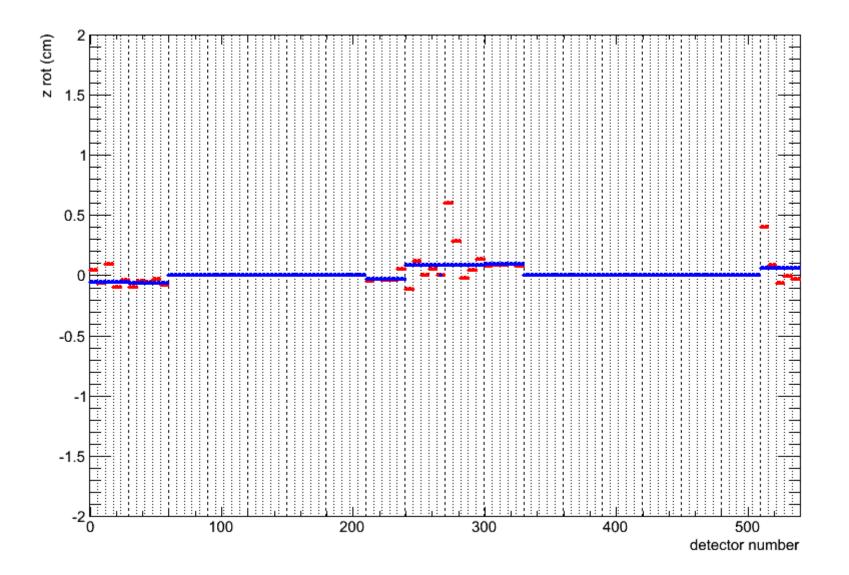


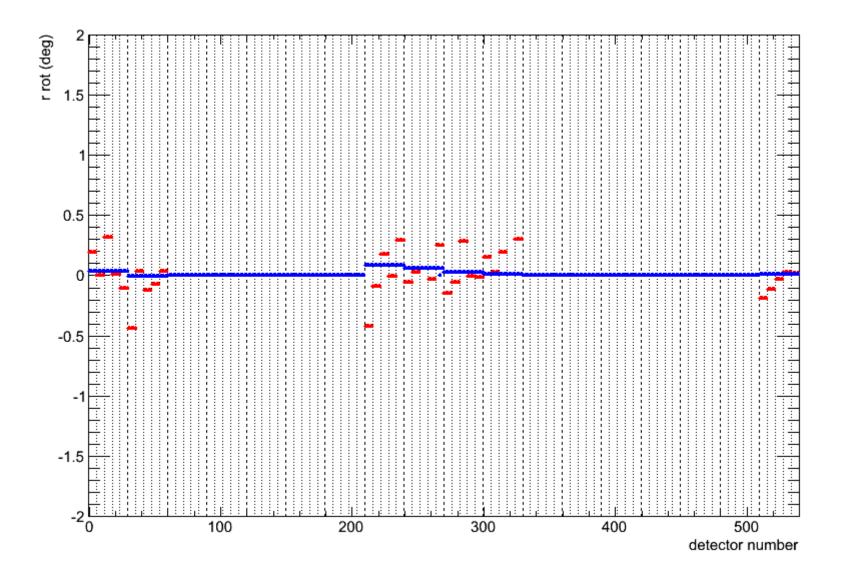


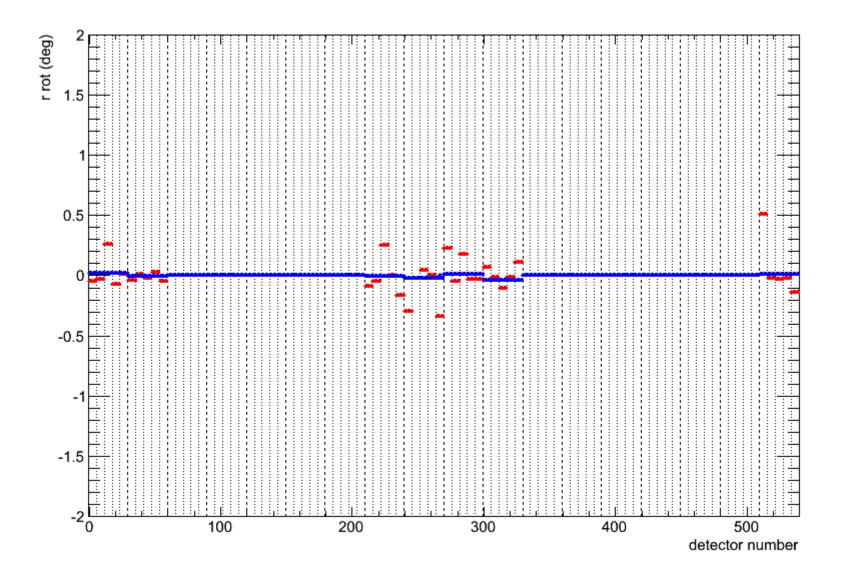










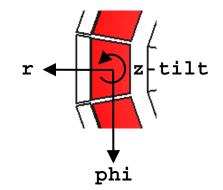




- alignment obtained with B=0 applied to run 96287 (B=0.12 T) improves the TPC/TRD matching in phi ~5 x
- inserted into OCDB on 23-Nov-2009 18:08
- In spite of its leading to 8 overlaps with the space frame.



3 of the 6 alignment parameters explained



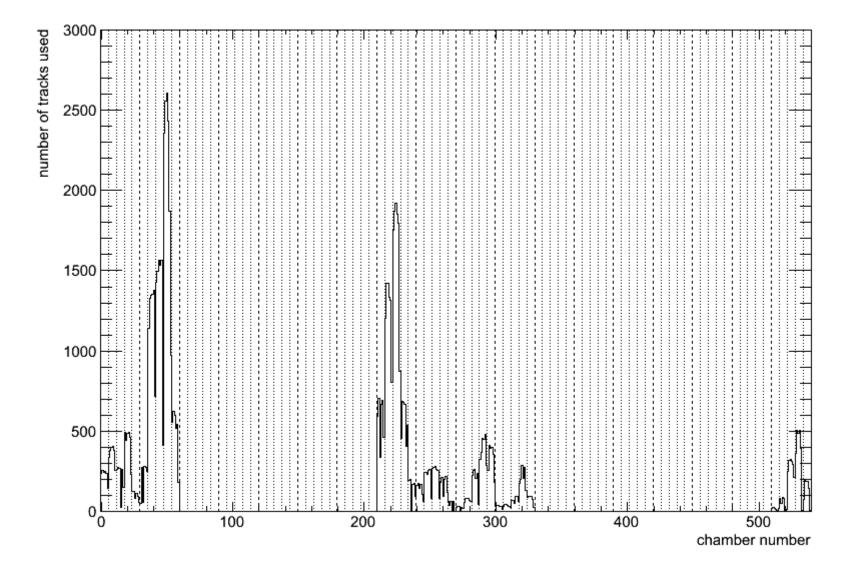
first TRD alignment with cosmics 2009, misko, 24-11-2009

runs used (local reco at GSI)

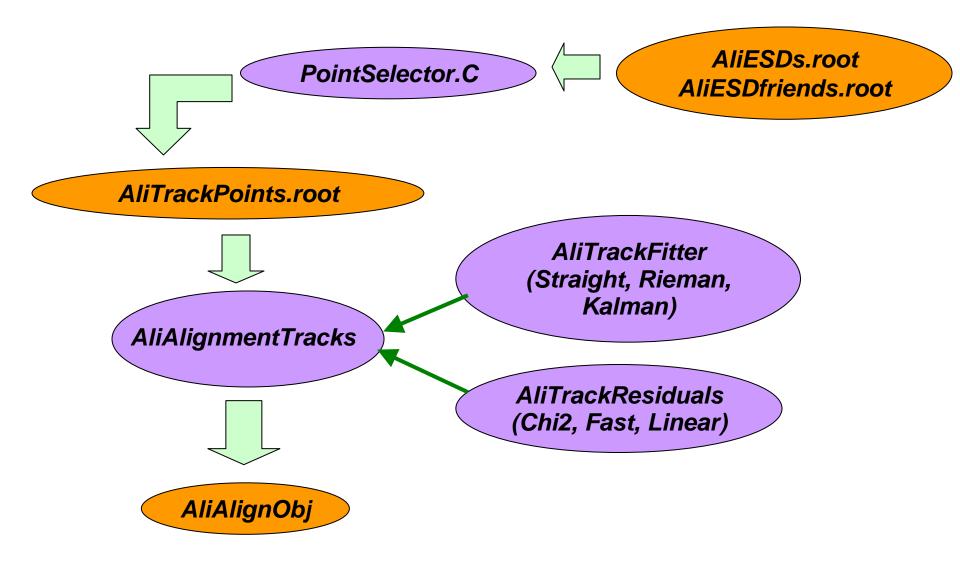
run	hours	tracks
81043	8	1220
81116	1	628
85618	6	5489
85660	2	952
85698	8	2747
91529	3	3063
91822	4	2713
91960	5	4370
92582	9	7938
		30 k with B=0

first TRD alignment with cosmics 2009, misko, 24-11-2009

number of tracks used, *B* = 0



alignment procedure with AliAlignmentTracks



Alignable volumes in TRD

