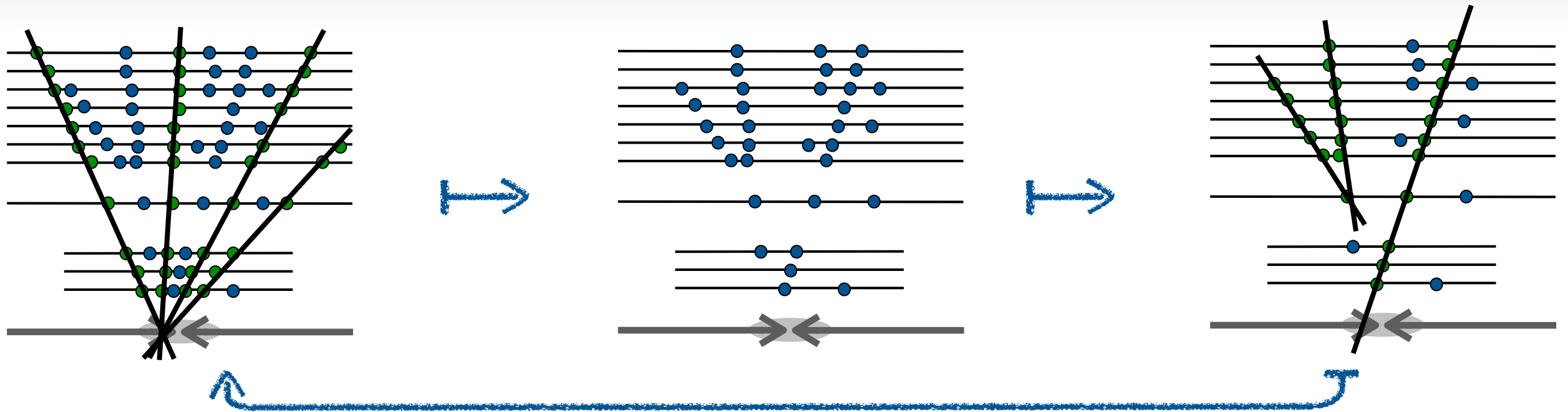


Iterative tracking



The CMS tracking relies on iterations (*steps*) of the tracking procedure; each step works on the remaining not-yet-associated hits and is optimized with respect to the seeding topology and to the final quality cuts.

#step	seed type	seed subdetectors	P_T^{\min} [GeV/c]	d_0 cut	z_0 cut
0	triplet	pixel	0.8	0.2 cm	3.0σ
1	pair	pixel/TEC	0.6	0.05 cm	0.6 cm
2	triplet	pixel	0.075	0.2 cm	3.3σ
3	triplet	pixel/TIB/TID/TEC	0.25-0.35	2.0 cm	10.0 cm
4	pair	TIB/TID/TEC	0.5	2.0 cm	12.0 cm
5	pair	TOB/TEC	0.6	6.0 cm	30.0 cm