

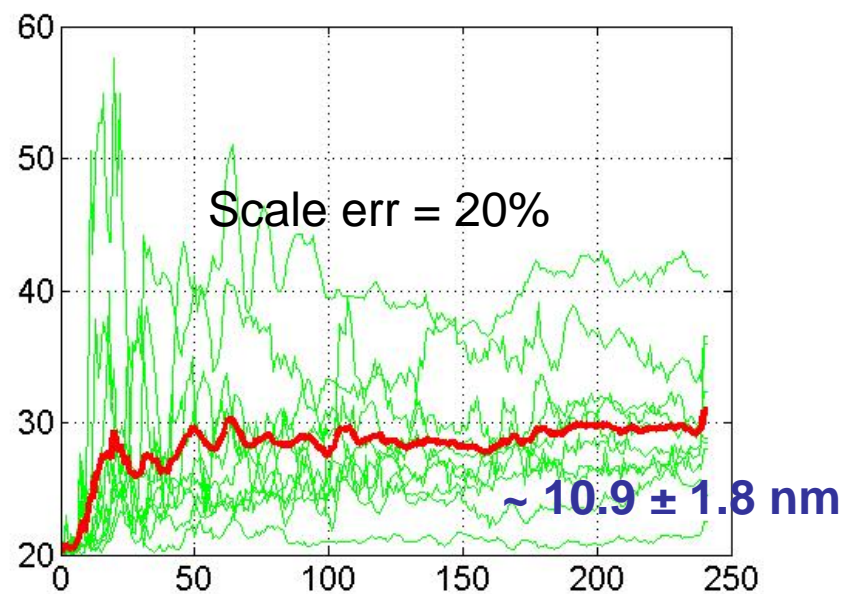
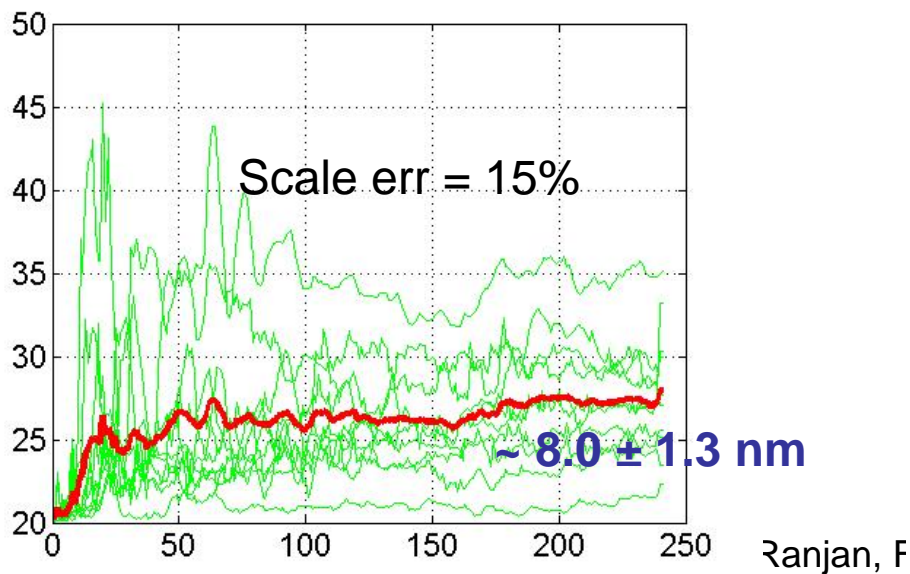
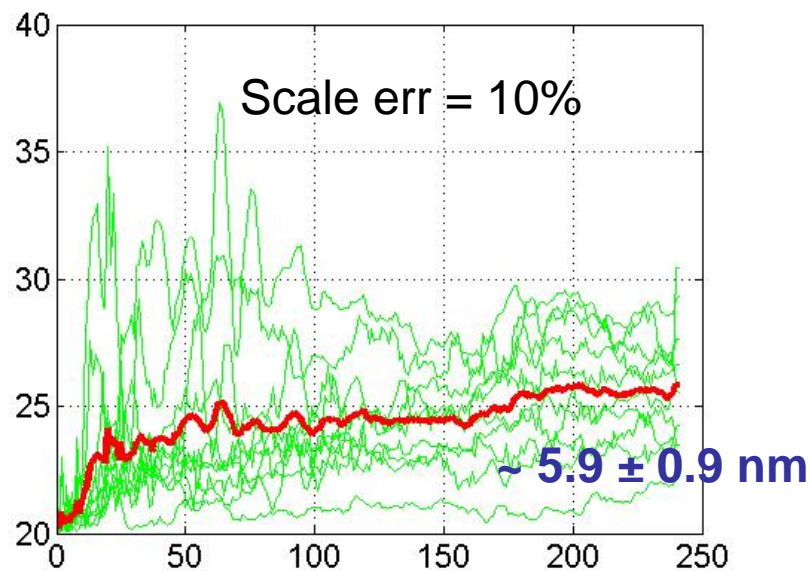
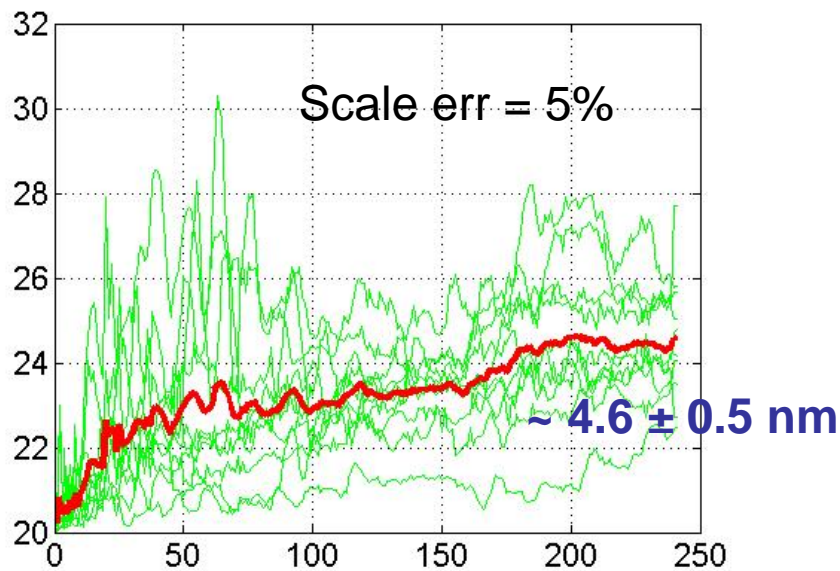
BPM Absolute Scale Error

Accuracy with which BPM can measure position.

Implementation :

1. Generated 241 random nos. (total no. of BPMs) within \pm BPM scale error.
2. After putting the misalignments, during both 1:1 and DFS, we added the above generated errors to each of the 241 BPMs readings (which we get after tracking). So the new readings at the BPMs would be
$$Yb_new = Yb * (1 + error)$$
where Yb : BPM readings after tracking
3. $error$ remains fixed for one particular seed i.e., for a given seed, same BPM scale error is applied to a given BPM throughout in tracking.

ILC BCD STRAIGHT Linac, 10 seeds, after DFS, nominal misalignments



ILC BCD CURVED Linac , 10 seeds, after DFS, nominal misalignments

