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Tune the constraints on millepede to match the L1 residuals. See modest improvement in match between new misalignments(green) and residuals (red).

• Test larger shifts: use $\Delta x_{R1} = -250 \mu m$ in *gemc* and $\Delta x_{R1} = +250 \mu m$ in Tracker. Get good agreement.



 Now apply millepede to shifted gemc and unshifted Tracker to get misalignments. Set constraints to L1 residuals. Get good agreement.

♦ Now set the millepede constraints to the known value (zero) and get the misalignments. Should see L3-L6 with small misalignments and L1-L2 with large ones near $\approx \pm 250 \ \mu m$. Some fits fail. Other get poor agreement.

