CERN-BINP workshop for young scientists in e+e- colliders



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## Comparative study of the tuning performances of the nominal and long L\* CLIC BDS

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Mitigation of static and dynamic imperfections for emittance preservation is one the most important and challenging task faced by the CLIC BDS. A simulations campaign has been performed in order to recover the nominal luminosity by means of different alignment procedures. The state of the art of the tuning studies is drawn up. Comparative studies of the tuning performances for the various design options is presented. The effectiveness of the tuning techniques applied to these different lattices will be decisive for the final layout of the CLIC FFS.

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