The Tuning of APPLE Device with Shimming[1]

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Abstract:

We are planning to tune the magnetic field components of an APPLE device with a shimming method. For this purpose, we have done some investigations with Radia field calculations. The calculation results showed that the integrated dipole, quadrupole, and sextupole of the vertical and horizontal fields can be tuned individually. Some typical shims signatures are calculated as well. The detailed results of the shimming will be reported in the presentation.