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



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## Using of non-uniform bending magnets for emittance reduction in electron storage ring

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Bending magnet with transverse and longitudinal gradient of magnetic field allows reduction of the beam emittance against the uniform field dipole. We study effect of the field variation in bending magnet on minimum emittance in electron storage ring. We compare theoretical results with computer simulation.

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