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ATF2 for final focus test beam for future linear colliders

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International Linear Collider (ILC) adopt local chromaticity correction scheme in the final focus system. ATF2 is a project to test the performance of the ILC final focus system experimentally. A new test beam line was constructed downstream of ATF Damping Ring (DR) in KEK in 2008. Though the energy is as low as 1.3 GeV while 250 GeV for the ILC, low emittance beam is available from the DR. The optics is designed by scaling ILC optics, and the goal of the beam size is about 40 nm. In this talk, the recent results of the study is reported.

Summary

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