Results of the first phase of PITZ

The PITZ collaboration:

BESSY Berlin, DESY Hamburg and Zeuthen, INFN-LASA Milano, INR Troitsk, INRNE Sofia, MBI Berlin, TU Darmstadt, YERPHI Yerevan

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Recent measurement results (July 2004)

References

PITZ1 measurements: M.Krasilnikov et al., Characterization of the Electron Source at the Photo Injector test facility at DESY Zeuthen", FEL 2003, Tsukuba, Sept. 2003. Recent PITZ results: F.Stephan et al., Recent Results and Perspectives of the Low Emittance Photo Injector at PITZ, FEL 2004, Trieste, Sept. 2004. Plans for PITZ2: A.Oppelt et al., Future plans at the Photo Injector Test Facility at DESY Zeuthen, FEL 2003, Tsukuba, Sept. 2003.



2.5 π mm mrad reached, parameter space optimization ongoing