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Workshop on Instabilities of High Intensity Hadron Beams in Rings

BNL, June 28 - July 1, 1999

Total 831 pages.

1. A. Hofmann:(16) Overview of Beam Instabilities (Plenary)
2. G. Rees:(24) Aspects of Beam Stability on ISIS
3. R. Macek:(17) Status of the PSR e-p Instability
4. T. Roser:(19) High Intensity Beam Operation of the Brookhaven AGS
5. W. Chou:(55) Proton Driver
6. F. Ruggiero:(44,DS) Collective Instabilities in the LHC
7. K.Y. Ng:(28) Stability Issues of Low Energy Intense Beams
8. T. Linnecar:(30) Impedance Issues in the CERN SPS
9. R. Gluckstern:(11) Analytic Methods for the Calculation of Impedance
10. I. Hofmann:(28,DS) Nonlinear Features of the Longitudinal Instability
11. B. Zotter:(23) Impedances and Wakes in High Energy Proton Accelerators (Plenary)
12. R. Cappi:(17) Collective Effects in the CERN-PS
13. M. Yoshii:(38) Beam Instabilities in the JHF Synchrotrons
14. S.Y. Zhang:(22) Instability Issues at SNS Accumulator Ring
15. G. Rees:(22) Instability Issues for ESS Linac and Rings
16. K. Koba:(33) Longitudinal impedance tuner
17. R. Davidson:(56) Kinetic Description of e-p Instability in High-Intensity Linacs and Storage Rings
18. R. Palmer:(36,DS) Muon-Collider
19. T. Toyama:(40) Head-tail Instability and Microwave Instability in the KEK-PS
20. J. Wei:(34) Intensity Dependent Effects in RHIC
21. K.Y. Ng:(34) Short Bunch Production near Transition
22. M. Blaskiewicz:(8) Convergence of basis expansions
23. S. Heifets:(25) Saw-Tooth Instability as Nonlinear Mode Coupling
24. E. Shaposhnikova:(21) Study of coupled bunch instabilities in the CERN SPS
25. E. Metral:(14) Stabilization of CPS head-tail instabilities by linear coupling
26. H. Hahn:(17) Z/n of RHIC Injection Kicker.
27. J.G. Wang:(24) Calculation of longitudinal space charge impedance.
29. H. Qin:(29) 3D multispecies nonlinear perturbative particle simulation of collective instabilities in intense particle beams.
30. T.F. Wang:(18) A Simple Simulation of Electron-Proton Instability
31. S. Danilov:(6) Multipacting on the Trailing Edge of Proton Beam Bunches in the PSR and SNS
32. M. Blaskiewicz:(7) The fast loss electron proton instability.
33. J. Sebek:(35) Relaxation Oscillations of the Synchrotron Motion Caused by Narrow-Band Impedances

1. Need a title page.

2. Each talk should be separated, with an index

S.Y. Zhang, x 3412
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