APR15-2015-020108

Abstract for an Invited Paper for the APR15 Meeting of the American Physical Society

High Power Proton Facilities

SERGEI NAGAITSEV, Fermi National Accelerator Laboratory

This presentation will provide an overview of the capabilities and challenges of high intensity proton accelerators, such as J-PARC, Fermilab MI, SNS, ISIS, PSI, ESS (in the future) and others. The presentation will focus on lessons learned, new concepts, beam loss mechanisms and methods to mitigate them.