

ORNL AP Papers:

Commissioning of the SNS Front-End Systems at Oak Ridge (Invited)
A. Aleksandrov et. al.

Beam-in-Gap Measurements at the SNS Front-End
A. Aleksandrov, Assadi, +.....

On-line model of the SNS Medium Energy Beam Transport Line
A. Aleksandrov and V. Alexandrov

Beam Dynamics in the Spallation Neutron Source Linac (Invited)
D. Jeon, Stovall, Takeda, Young, Nath, Billen, Keller, Staples

SNS Linac Commissioning – Transverse Matching
D. Jeon, Stovall

SNS Linac Commissioning – Techniques for RF set-point
D. Jeon, Stovall, Takeda, Nath, Shafer, Crandall

Impact of cavity RF field phase and amplitude control uncertainties on the SNS linac
D. Jeon, Stovall, Takeda, Crandall

A technique for longitudinal matching experimentally using a Bunch Shape Monitor
D. Jeon

Insights in the physics of the dynamic detuning in SRF cavity and its active compensation
M. Doleans and S. Kim

Dynamics of Quenching Development in SRF Cavities Under Pulsed Operation
S. Kim

Exploration of Fault Scenarios for Violating Beam-on-Target Parameters at the Spallation Neutron Source
S. Henderson et. al.

The Commissioning Plan for the SNS Ring and Transport Lines
S. Henderson et. al.

Computational Studies of Collective Beam Dynamics in High-Intensity Rings
Holmes et. al.

Simulation Tools for High Intensity Rings (Invited)
S. Cousineau

Physics Application Programming With XAL Framework
Chu, Danilova, Galambos, Pelaia, Shishlo, Allen, McGehee, Pattengale

SNS Global Database Use in Application Programming
Galambos, Chu, Danilova, Patton, Pelaia

XAL Application Programming Structure
Galambos, Allen, Chu, Pattengale, Pelaia, Shishlo

The EPICS Based Virtual Accelerator – Concept and Implementation
Shishlo, Galambos, Chu, Pelaia