

**Spallation Neutron Source ASAC Review**  
**SNS Project Office, Oak Ridge**  
**Room 101A/B**  
**February 5-7, 2001**

**Agenda**

**Monday, February 5**

8:00a	Closed Session	
8:30a	Welcome and Introduction	D. Moncton
9:15a	Update on Project Status and Progress	E. Temple
10:00a	Break	
10:15a	SNS Accelerator Systems Overview	R. Kustom
11:00a	Accelerator Physics Studies and the Path to 2 MW	J. Wei
12:00p	Lunch	
1:00p	Front-End Presentations	R. Keller
1:00p	Front-End Overview and Progress	R. Keller
1:25p	Ion Source and LEBT Results	R. Keller
1:50p	Emittance Collimation in the RFQ	J. Staples
2:15p	Front End Commissioning Plan	J. Staples
2:40p	MEBT Tuning & Chopping	S. Alexandrov
2:55p	Break	
3:10p	Linac Presentations	D. Rej & C. Rode
3:10p	Linac Overview and Progress	D. Rej
3:50p	Space-Charge Tune Space and the Potential Role of DTL EMQs	J. Stovall
4:30p	DTL & CCL Cold Model Results	J. Billen
5:10p	Linac Code Comparisons	J. Stovall
5:35p	Adjourn	
7:00p	Committee Working Dinner	

**Tuesday, February 6**

8:00a	Closed Session	
8:30a	Linac Presentations (cont'd)	D. Rej & C. Rode
8:30a	Error Studies with Steering	J. Stovall
9:25a	RF System and IGBT Prototype Results	M. Lynch
9:50a	Break	
10:05a	Cryomodule and Refrigerator Status	C. Rode
10:30a	Cavity R&D and Performance	P. Kneisel
11:25a	Fundamental Power Couplers	P. Kneisel
12:15p	Lunch	
1:15p	HOM Analysis and HOM Couplers	R. Sundelin
1:55p	HEBT-Ring-RTBT Presentations	W. Weng
1:55p	Ring Overview and Progress	W. Weng/Y.Y. Lee
2:35p	Magnetic Errors, Dynamic Aperture and Corrections	I. Papaphilippou
3:15p	Break	
3:30p	Space Charge and Halo	A. Fedotov
4:10p	HEBT and RTBT Issues	D. Raparia
4:35p	Extraction Kicker and Coupling Impedances	Y. Y. Lee
5:00p	Closed Session	
7:00p	Conference Dinner	

**Wednesday, February 7**

8:00a	Closed Session	
8:30a	SNS Beam Instrumentation System	T. Shea
9:00a	Commissioning Plan	G. Dodson
9:30a	Applications Software Plan	J. Galambos
10:00a	Controls System Progress and Overview	D. Gurd
10:15a	Executive Session	
12:15p	Closed Session Lunch	
1:45p	Closeout	
2:30p	Departure	

**CHARGE TO THE ACCELERATOR SYSTEMS ADVISORY COMMITTEE**

Provide an assessment of the physics and technical progress on the project. Does the committee see any serious problem areas?

Are there technology designs that could be improved within the constraints of funding and schedules? Are there any problem areas that might be potential show stoppers?

Because of funding constraints the scope of the SNS accelerator systems had to be reduced. Please comment on the order and priority of restoring this descoped hardware to reach 2MW as funds become available during the project and operations.