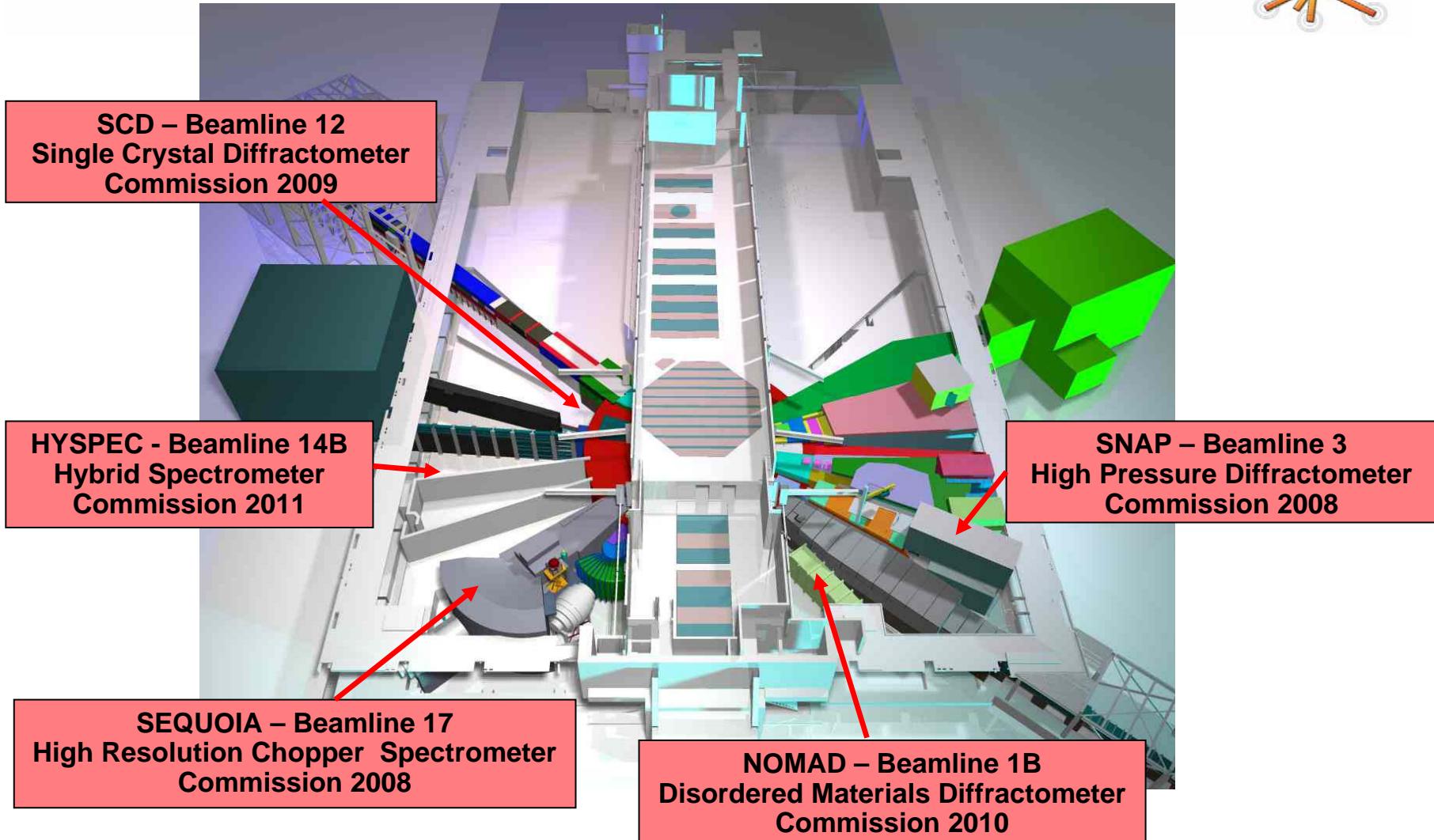


SING Instrument Layout

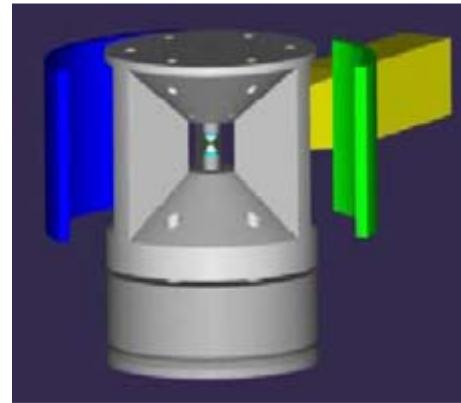
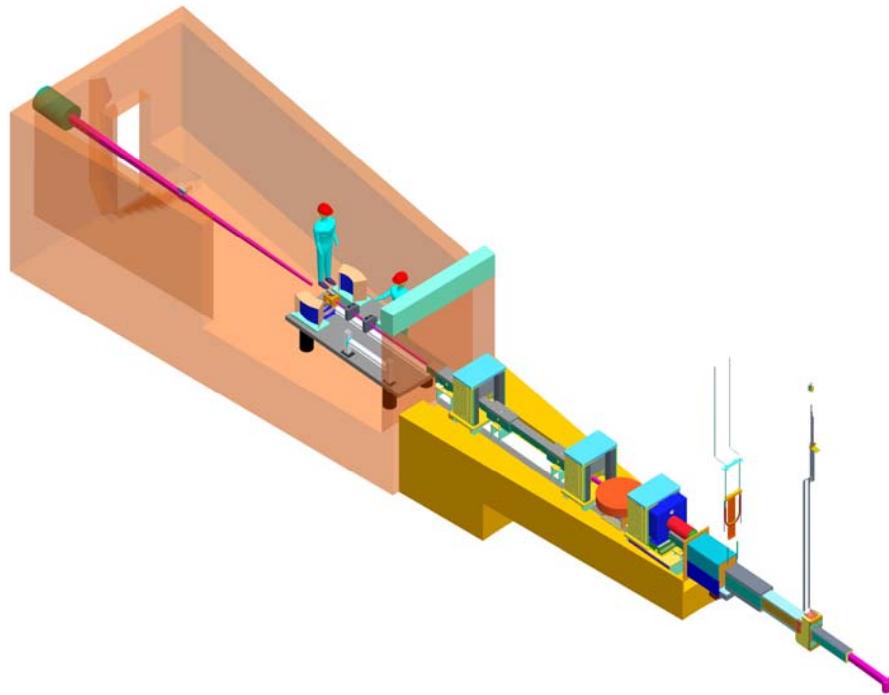
SING SNS Instruments - Next Generation



SNAP High Pressure Diffractometer (BL-3)

Atomic structure at pressures up to 100 GPa

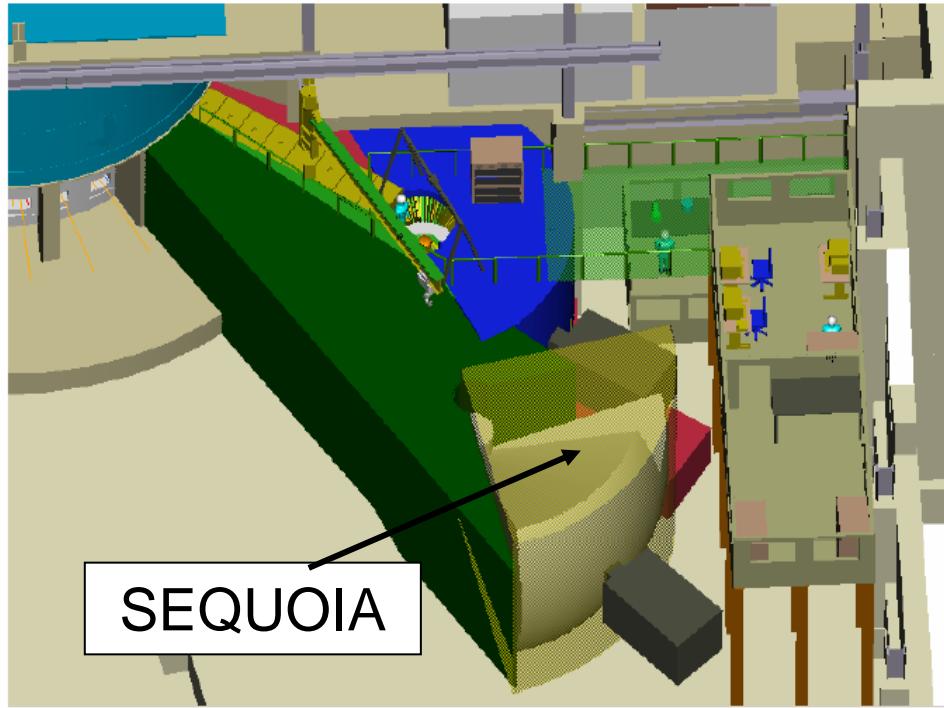
John Parise (Stony Brook); Rus Hemley (Carnegie Institute); Chris Tulk
(SNS Instrument Scientist)



SEQUOIA High-Resolution Chopper Spectrometer (BL-17)

Atomic-scale dynamics at thermal and epithermal energies, with emphasis
on magnetic scattering from single crystals

Steve Nagler (ORNL); Garrett Granroth (SNS Instrument Scientist)

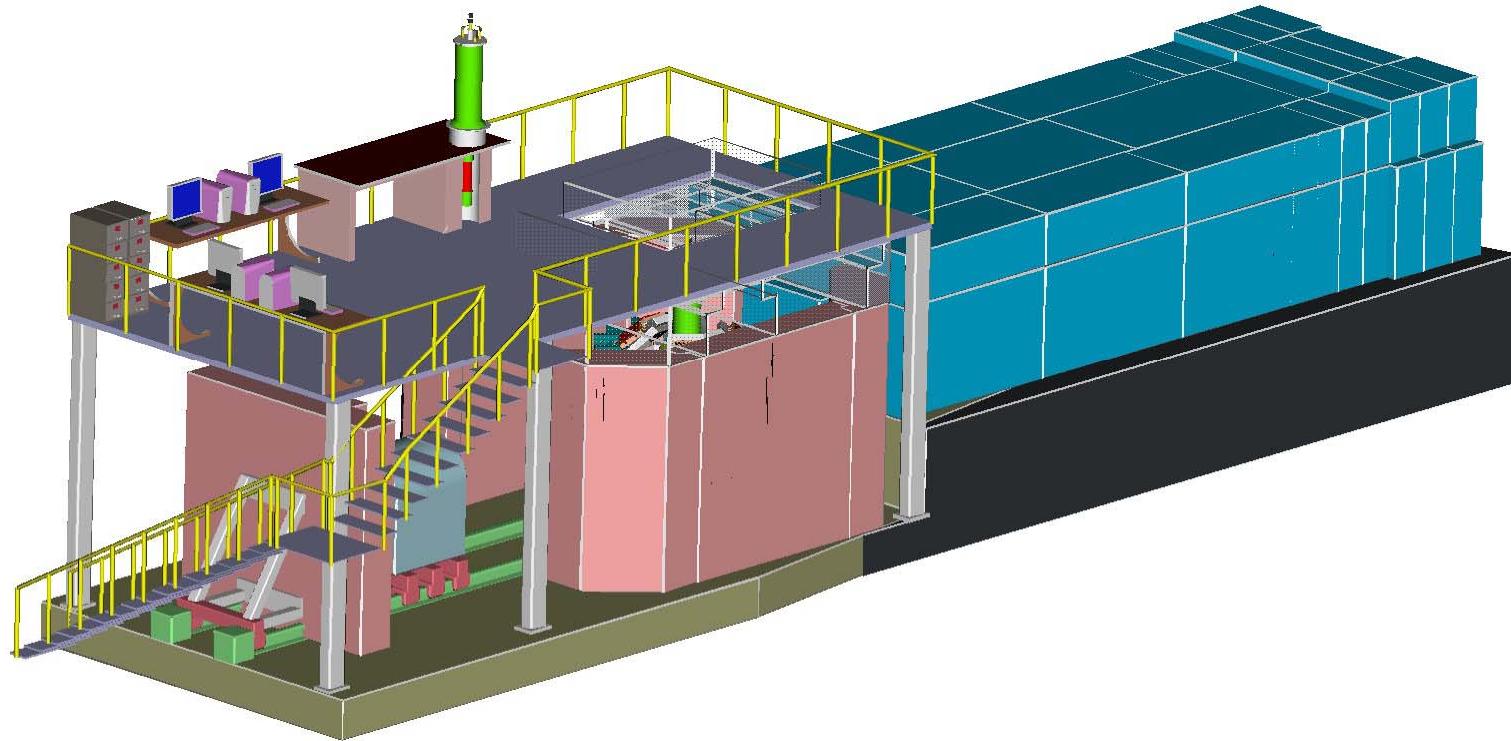


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SCD Single Crystal Diffractometer (BL-12)

Rapid atomic structure in moderate-unit-cell single-crystal samples

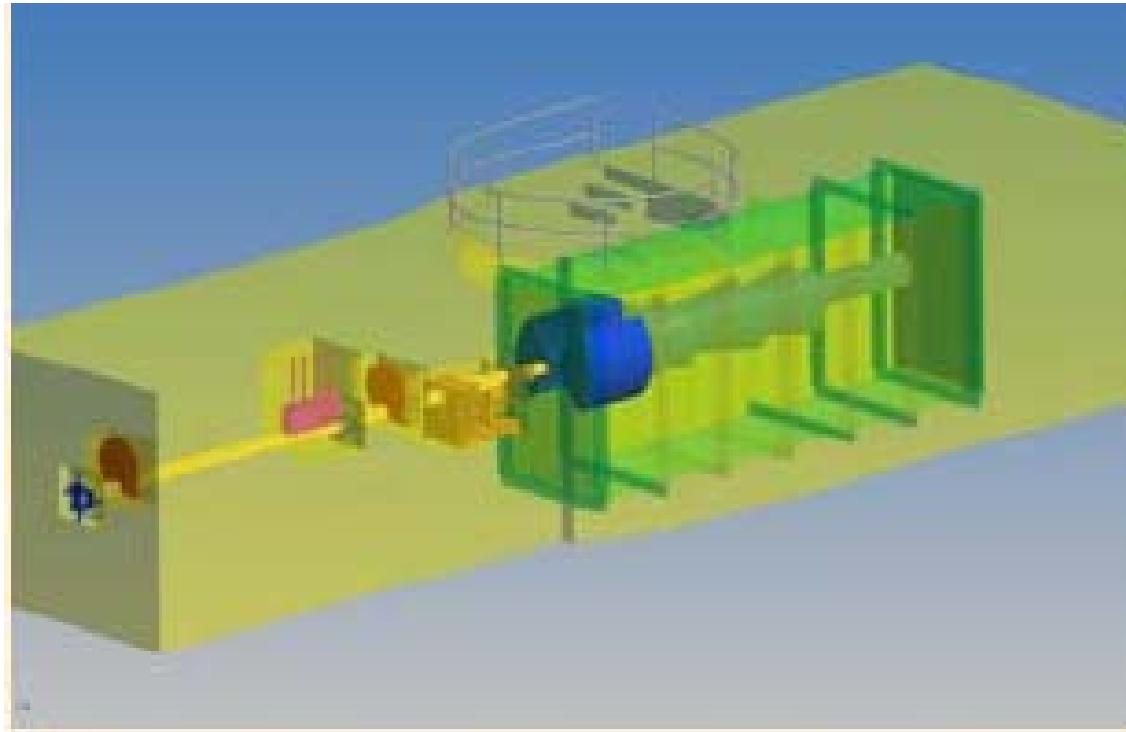
Robert Bau (USC); Tom Koetzle (BNL-ret); Art Schultz (ANL); Christina Hoffmann (SNS Instrument Scientist)



NOMAD Disordered Materials Diffractometer (BL-1B)

Atomic scale structure of liquids, glasses, and disordered crystals

Mike Simonson (ORNL); Michael Winokur (U. Wisc); Joerg Neufeld (SNS
Instrument Scientist)

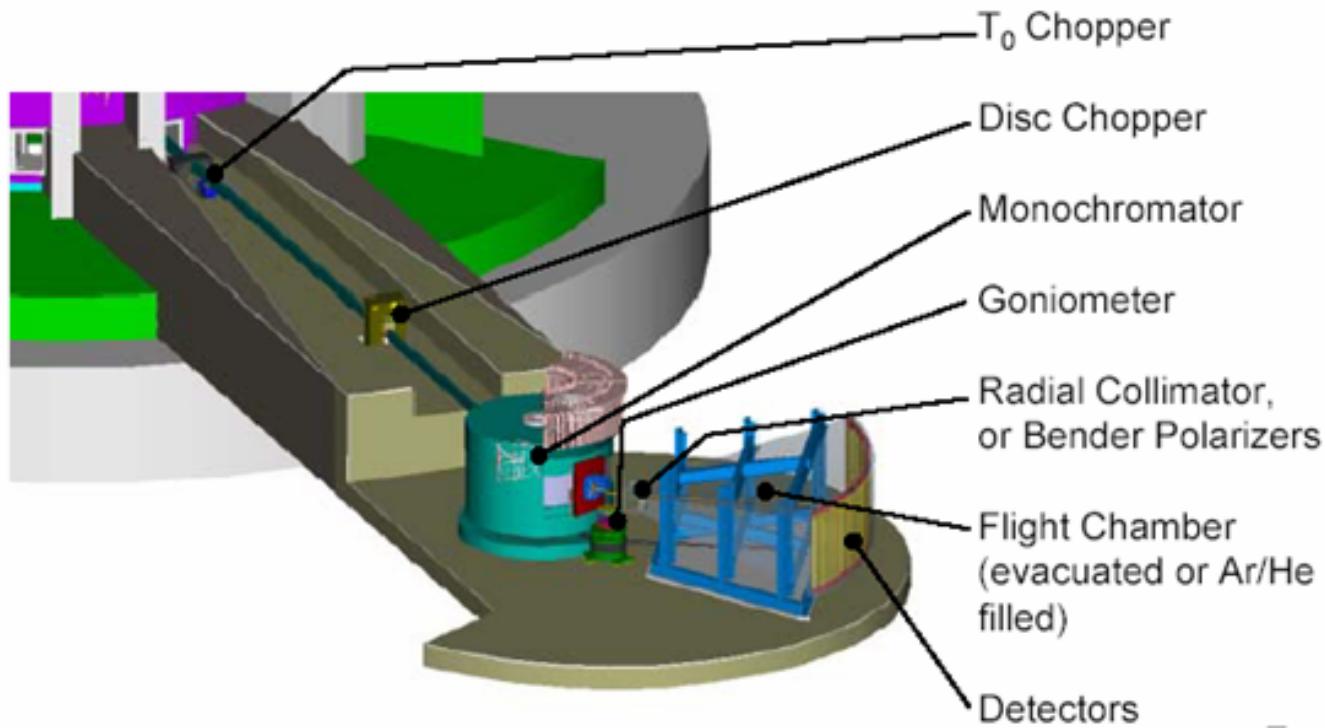


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HYSPEC Hybrid Spectrometer (BL – 14B)

Spin dynamics and motions of atoms in single crystals, with emphasis on polarized neutron studies

Steve Shapiro (BNL); Mark Hagen (SNS Instrument Scientist)



SING Project Organization

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DOE-BES
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Kristin Bennett, Program Manager

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DOE-ORO

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Spectrometer
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WBS 1.2

Single Crystal
Diffractometer
Instrument
Scientist
C. Hoffmann
WBS 1.3

Disordered Mat'l's
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Instrument
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J. Neufeld
WBS 1.4

Hybrid Pol. Beam
Spectrometer
Instrument
Scientist
M. Hagen
WBS 1.5

September 10, 2004

Overall Schedule for SING Project



	FY04 Q1 Q2 Q3 Q4	FY05 Q1 Q2 Q3 Q4	FY06 Q1 Q2 Q3 Q4	FY07 Q1 Q2 Q3 Q4	FY08 Q1 Q2 Q3 Q4	FY09 Q1 Q2 Q3 Q4	FY10 Q1 Q2 Q3 Q4	FY11 Q1 Q2 Q3 Q4
SNAP High-pressure diffractometer		Design						
			Procurement					
				Installation & Testing				
	CD-2a	CD-3a				CD-4a		
SEQUOIA Hi-resolution chopper spectrometer		Design						
			Procurement					
				Installation & Testing				
	CD-2a	CD-3a					CD-4b	
SCD Single crystal diffractometer								
		Design	Procurement	Installation & Testing				
	CD-2b	CD-3b					CD-4c	
NOMAD Disordered materials diffractometer								
		Design	Procurement	Installation & Testing				
	CD-2a	CD-3a						CD-4d
HYSPEC Hybrid spectrometer								
		Design	Procurement	Installation & Testing				
	CD-2a	CD-3a						CD-4e

September 10, 2004