STATUS OF THE SRC BEAMLINES AND INSTRUMENTATION

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The Instrumentation Group maintains the SRC and SRC/PRT monochromator beamlines on Aladdin for use by the scientific community. The technical details of these instruments and the PRT and CnTech beamlines is available on-line at www.src.wisc.edu. Thus, instead of repeating that information, this report will focus on current uses of the existing beamline and progress for the new beamlines currently under development. Also, the Group operates a variety of experimental endstations that are available to the User community.

Initial operation of the Wadsworth beamline on the U2 undulator is planned for Fall 2003. The beamline will cover the range from 8 to 50 eV utilizing the high brightness undulator source for ARPES experiments.

An additional beamline from U2, the VLS-PGM, is being constructed for PEEM experiments requiring high brightness. The proposed variable line spacing monochromator will cover the range from 60 to 2000 eV with a resolving power of nearly 1000. For this mode of operation, the U2 undulator will be operated as a wiggler at maximum k value (4.69). Commissioning is currently scheduled for summer 2004.

An update on the NIM classic maintenance and a progress report on the PGM repairs will be presented as well as future plans for upgrades of some of the facility experimental chambers.

In addition, results of the recent U1 NIM and Scienta SES 2002 will be shown.

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