U2 Instrumentation: the Wadsworth is now available!
First Data from the Wadsworth and the Scienta SES 2002!

MEG @ hv=16 eV 50 μm exit slit
Epass=2 eV, 0.2 mm slit curved
Tsample=12.8K

total exp. width ΔE<sub>c</sub>=6.8 meV

Beamline Resolution ΔE<1 meV !!
Band Structure of Electron Pocket near the Fermi Level in Bi$_{92}$Sb$_8$ close to the M-Point

Synchrotron Radiation Center
University of Wisconsin - Madison
The Wadsworth beamline provides:
1) high flux in the range up to 40 eV,
2) a small final image: ≤ 0.5 X 0.5 mm,
3) resolution less than 5 meV through the range,
4) minimizes higher orders,
5) With a total scan range of 7.8 – 40 eV.