MEMORANDUM

To: The PSCC

From: C. Bucci

Subject: Beam time request for SC 81, SC 82 and for low-momentum beam studies - March-June 1980

1. SC 81 (Muonium in semiconductors) -
   Study of lineshape in germanium in the milli-K region
   Study of normal muonium in silicon as a function of compensating dopant
   Search for muonium states in GaAs

   Beamline 15 sh (LJ1)
   Beamline 20 sh (CJ2)
   Beamline 15 sh (CJ2)
   Beamline (LJ1)

2. SC 82 (Monomers and polymers) -
   Study of radicals lifetime in diluted monomer and polym. (particularly stirene and polystirene)

   Beamline 20 sh (CJ2)

3. Low-momentum
   Calibration of new thin detectors and of beam line
   Measurement of muonium states in thin SiC single crystals

   Beamline 1 parasiting run
   Beamline 10 sh (CJ2)

Note: Sharing with SC 65 and SC 76 is possible if the second HP 2100 configuration can be made available:

1) CAMAC crate + controller
2) HP 2100 processor
3) MT-unit
4) Paper tape unit.