

16.8-1      AUTOMATIC LABYRINTH COUPLING AND SAFETY SHUTTER OPERATION FOR SIDE ENTRY COLLIMATORS AND PHILIPS TUBE SHIELD. By G.B. Robertson and L. Smith, Research School of Chemistry, Australian National University, Canberra, ACT, 2601, Australia.

A simple modification of the standard rotating safety shutter of Philips PW1316 tube shields permits automatic labyrinth coupling and shutter positioning by side entry collimators (e.g. Nonius Weissenberg, Supper precession cameras). All safety features of the Philips shutter are retained but shutter opening and labyrinth completion are achieved automatically by movement of the collimator into the beam path. Assembled and disassembled shutters, together with a collimator coupling piece for a Supper precession camera, are shown below. An assembled shutter will be available for inspection and drawings will be available on request.

