

**Upgrade of the ISIS Pre-injector EHT Generator,**  
P.J.S.B. BARRATT, R.D. LLOYD, RAL - The thermionic driver stage for the 665 kV Cockcroft-Walton EHT generator for the ISIS pre-injector has been replaced with a solid-state 10 kVA frequency converter. Control and monitoring are via a Controls Group standard STEbus microprocessor crate operating under the new ISIS control system based on Alpha workstations running Vsystem. The converter, its associated electronics and control system are described.