Type Of Cyclotron
- Negative hydrogen ion (H–)
- External ion source, multi-cusp 5 mA
- Unshielded, local-shielded or self-shielded
- Simultaneous dual beam extraction (multiple foil extraction cartridge)
- Minimum 4 external targets

Beam Current
- 400 µA extracted beam current
- Higher currents available upon request

Beam Energy
- 15 MeV fixed energy extraction

Magnet
Magnet coil ..................  ~107 kAT
Magnet weight .............  ~14 tons
Geometry ....................  4 sectors

RF System
Resonator ....................  2 Dees
Dee voltage ..................  40 kV
RF frequency ...............  75 MHz, 4th harmonic
Power required ............  8 kW (nominal)
Energy gain per turn ....  160 keV

Vacuum System
Base pressure ..............  <2 x 10^{-7} Torr
Operating pressure ......  <1 x 10^{-6} Torr
Pumps .........................  Cryogenic pump system

Automated Control System
Computer System ........  Standard PC, Windows-based OS
Controllers ...................  Siemens Industrial PLC Modules
User Console ...............  Color monitor
Interface .....................  Graphical user interface
Networking ..................  Standard thin-wire Ethernet hardware

External Production Targets
The cyclotron is supplied with two ¹⁸F production targets complete with loading and routing to the production hot cell. Targets for ¹⁸F, ¹¹C, ¹⁳N, ¹⁵O, ⁶⁴Cu, ¹²⁴I, ¹⁰³Pd and ⁹⁹mTc are available.