Upgrade to ISIS target station 1

Section view of current target

Target being in pellet form allows high temp operation without high stresses

No cooling water to moderate neutron flux

Scope for more than 160kW?
Ref: Sievers 2003.

Section view of target concept

Helium cooling

High temperature tungsten pellets

800MeV, 160kW, 50Hz
90kW heat removed in water