Physics requirements for future ST devices.

M P Gryaznevich, R J Akers, A Yu. Dnestrovskii, G M Voss, H R Wilson, EURATOM/UKAEA Fusion Association, Culham Science Centre, Abingdon, Oxfordshire OX14 3DB, United Kingdom*

A design for a spherical tokamak power plant is presented, treating the plasma physics, engineering and neutronics self-consistently. Physics requirements for STPP and CTF are discussed. The spherical tokamak remains a viable option for future power generation, and is well-placed to provide an option for fusion power plants.

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