

What experiments are ongoing

Fabrication

6/21/2002, Engineering issue #1, T. Nagasaka and T. Muroga, Fusion Reactor Engineering Center, NIFS, Japan

- 6 kg of 26t plate is remained for component fabrication
- Key issues
 - Bonding of vanadium to vanadium, and to Fe alloy (RAF or SUS), which will be applied for low neutron fluence region
 - Coating by ceramics

What experiments are ongoing

Standard size test

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- Tensile, fracture toughness and fatigue tests using standard size specimens are ongoing, in order to obtain correlation to the data from small specimen test
- Specimen size
 - Tensile, fatigue: gauge size = $\phi 8 \times 10$ mm
 - Fracture toughness: 1/2CT, 1CT