## 4.2-m Waveguide Assembly and Other ECH Components for ITER Tested Under High Power Conditions

- Fabricated New Components Required for ITER ECH Transmission Line
  - Water-cooled waveguide, including 4.2-m assembly (longest, straightest produced)
  - Meet strict tolerances necessary for Tx line high mode purity req.
- Tested Components with High Power at QST Fusion Facility
  - ITER-like conditions (450 kW for 300 s)
  - Demonstration of new waveguide components for the demanding ITER ECH environment





Tx Line Testing at QST Fusion Facility (Naka, Japan)



Absorbed Power (Payrotron = 450 kW, t = 300 s)



