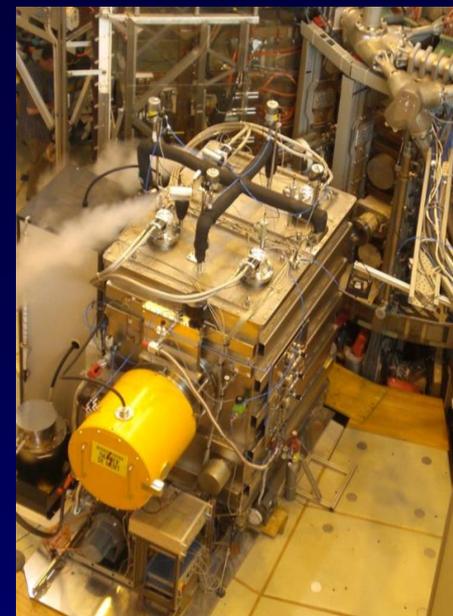


TCV Tokamak Overview

- ✓ 1-MW NBH installed, operated routinely. Record ion temperature (2.5 keV) and rotation velocity (250 km/s) obtained
- ✓ Runaway electron existence domain established, runaway beam carrying 100% current observed
- ✓ Double SOL scale length in L-mode limited plasmas disappears at high enough resistivity
- ✓ Wall conditioning with second-harmonic ECRH demonstrated in support of JT-60SA
- ✓ Detachment studied in conventional divertor, high flux expansion, snowflake, super-X, X-point-target: detachment density insensitive to flux expansion



Runaways vs electric field & density

