

Available density fluctuation diagnostics

- **Many reflectometers: (sensitive to EPM/BAE, TAE, CAE/GAE)**
 - 5 multiplexed channels reflecting at $1.1, 1.5, 2.2, 2.5$ and $3.1 \times 10^{19} \text{ m}^{-3}$ (30, 35, 42, 44.5 and 50 GHz)
 - 2 multiplexed independently adjustable fixed frequency channels reflecting between ~ 1.0 and $2.0 \times 10^{19} \text{ m}^{-3}$ ($\sim 28 - 40$ GHz)
 - fixed frequency channel reflecting between $\sim 5.2 \times 10^{19} \text{ m}^{-3}$ (65 GHz)
- **Fast profile system: (sensitive to EPM/BAE)**
 - 25 μsec sweep rate - mode frequencies < 20 kHz
- **Radial 1mm interferometer (sensitive to EPM/BAE, TAE, CAE/GAE)**