

Microwave turbulence diagnostics reading list

Reflectometry and Doppler backscattering

Reflectometry background:

Hutchinson Section 4.5

Overview of fluctuation reflectometry circa 2000:

Nazikian et al., Phys Plasmas 8, 1840 (2001)

Development of Doppler backscattering/Doppler reflectometry:

Holzhauser et al., Plasma Phys. Control. Fusion 40, 1869 (1998)

Hirsch et al., Plasma Phys. Control. Fusion 43, 1641 (2001)

Doppler backscattering at MAST :

Hillesheim et al., Proceedings of 11th International Reflectometry Workshop (2013) ([url](#))

Examples with DBS wavenumber spectra:

Hennequin et al., Nucl. Fusion 46, S771 (2006)

Happel et al., Phys. Plasmas 18, 102302 (2011)

Vermare et al., Phys. Plasmas 18, 012306 (2011)

Schmitz et al. Nucl. Fusion 52, 023003 (2012)