Diagnostics of fusion plasmas - an overview

Electromagnetic measurements	Rogowski coils	I_p	plasma current
	Voltage loops	U_l	loop voltage
	magnetic coils	B_θ	toroidal magnetic field
		MHD	magnetohydrodynamic phenomena
Passive radiation measurements	electron cyclotron emission	T_e	electron temperature
	spectroscopy	Γ_{imp}	Impurity flux
	soft X rays	n_{imp}	impurity density
	bolometry	P_{rad}	radiation power
	thermography	P_{target}	power flux to the target
Active radiation measurements	Thomson scattering		
	interferometry	n_e	electron density
	polarimetry	$j(r)$	current density profile
	reflectometry		
	charge exchange spectroscopy	T_i	ion temperature
Particle measurements	Langmuir probes	$T_e, n_e(\text{edge})$	
	charge exchange diagnostics		
	fusion producs		