alcator ballooning C-mod calculated case comparable confinement consistent controlled core current density dependence edge effects elm elmy energy eped exhibit expected experiments field fit fluctuations flux fueling fusion gradient h-mode heating height i-mode increased ITER KBM large limit magnetic measured mhd mode model normalized nuclear observed operation parameters pedestal peeling-ballooning physics plasma poloidal power prediction **Pressure** profiles range regime scaling scattering shaping shown stability temperature tokamak transport trend width