Plasma scenarios

The kinetic profiles needed by ASCOT are computed from predictive time-dependent TRANSP simulations run by Pablo Fernandez-Rodriguez. He has simulated a variety of plasma scenarios including the ‘primary reference discharge’ (PRD): BT = 12.2 Tesla, Ip = 8.7 or 8.9 MA, QDT ~ 9-11.

Other scenarios are described in [ASCOT plasma scenarios](file:///C:\Users\sscott\Documents\ripple\ASCOT_handover\scenario_1_2_notes.docx).