Summary Slide TH/P2-20

- JINTRAC full-coupled core / SOL / divertor simulations have been run for the first time for a JT-60SA plasma scenario
- The high-beta steady-state reference scenario (scenario 5.1) at 2.3MA/1.7T has been simulated with two levels of auxiliary heating power: 37 MW and 24 MW
- A scan of gas puff-rates and puff-locations leading to different values of separatrix density has been performed.
- It is shown that utilizing 24 MW of heating power, values of beta normalised up to 3.7 can be reached without impurity seeding along with divertor power-loads not exceeding 10 MWm^2 when the separatrix density is above 2.0 x 10^{19} m^{-3}