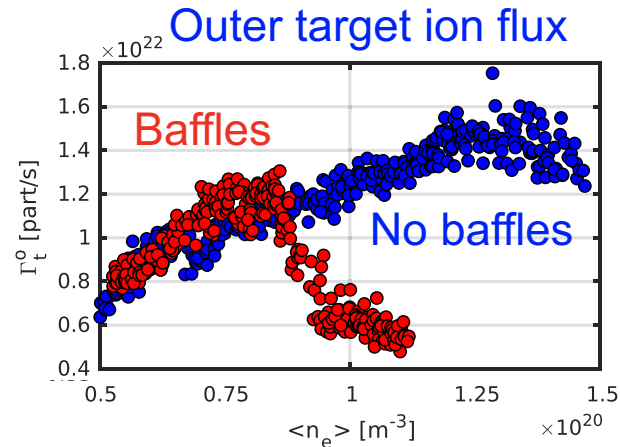


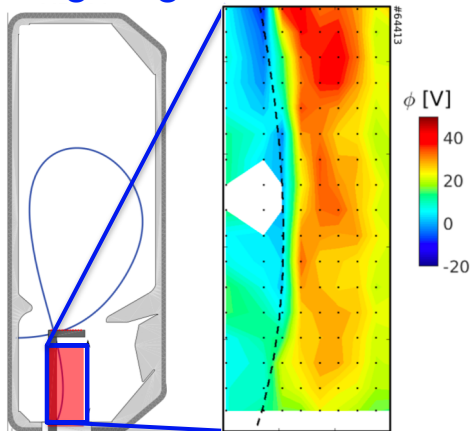
The upgraded and baffled TCV – a testbed for alternative divertors and model validation



- TCV's removable divertor baffles increase divertor neutral pressure and facilitate access to detachment in L- and H-mode

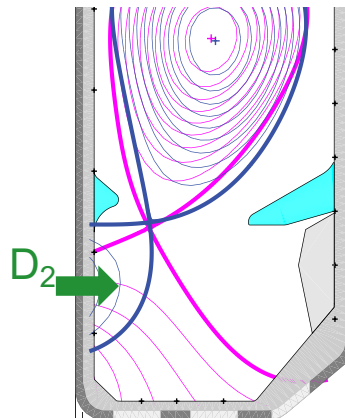


Measured V_{pl} with predicted neg. region in Rev. B



- SOLPS drift simulations correctly predict key features (relative changes with baffles, nature of parallel currents, potential structure,...); Remaining quantitative differences identified

- Expected reduction of detachment threshold at large target radius (Super-X) partly recovered with baffles



[1] Fasoli, NF 2020
 [2] Reimerdes, NF 2021
 [3] Février, NME 2021
 [4] Wensing, NME 2020