



- **EDGE2D-EIRENE** simulations predict **experimental** plasma conditions and deuterium emission in **attached conditions** at outer divertor target to within 20% for measured upstream conditions
- **Factor of 3-5 shortfall of deuterium emission in detached conditions \Rightarrow total radiation deficit**
- \Rightarrow Plasma temperature in divertor leg too high to produce radiation \Rightarrow unaccounted molecular processes?
- Beryllium and carbon emission do not significantly contribute to radiated power

