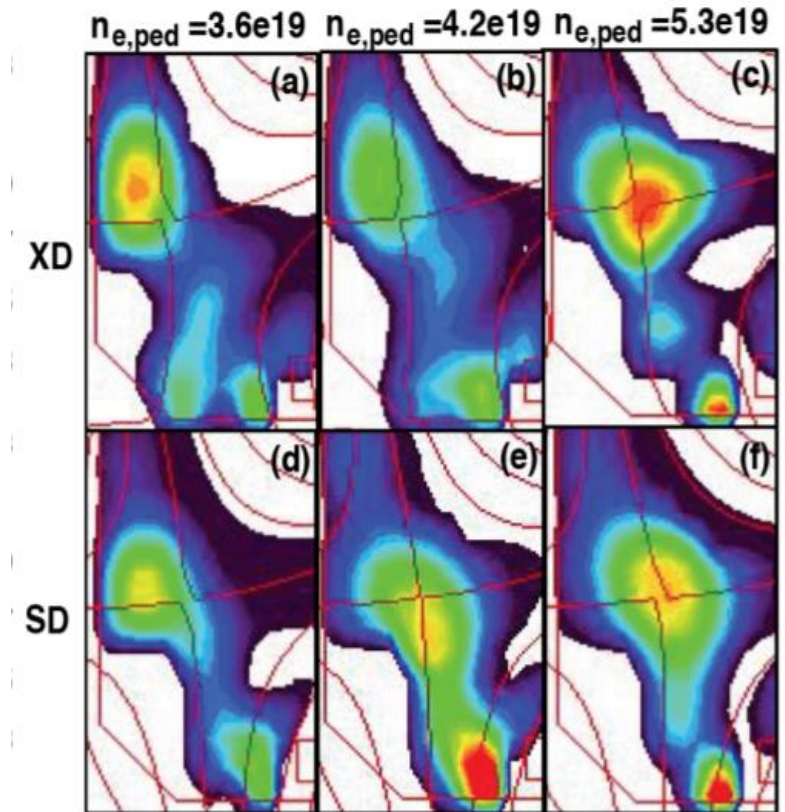# Analysis of Alternative Divertor Configurations for DEMO

- Problem: The standard Lower Single Null Divertor configuration is not guaranteed to provide adequate power exhaust capability for DEMO
- Aim of the work:
  1. Numerically model an extensive scan covering the possible operational space of Standard Divertor (SD) and X-Divertor (XD) configurations
  2. Analyze comparatively the different operational spaces, in terms of fusion divertor performance and plasma quality (core impurity contamination)
  3. Select reference points for further more sophisticated analysis
- Prerequisites: course of Nuclear fusion reactor physics

SN vs. XD radiation emission maps, C-Mod Tokamak

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