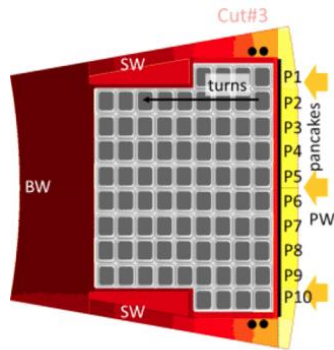
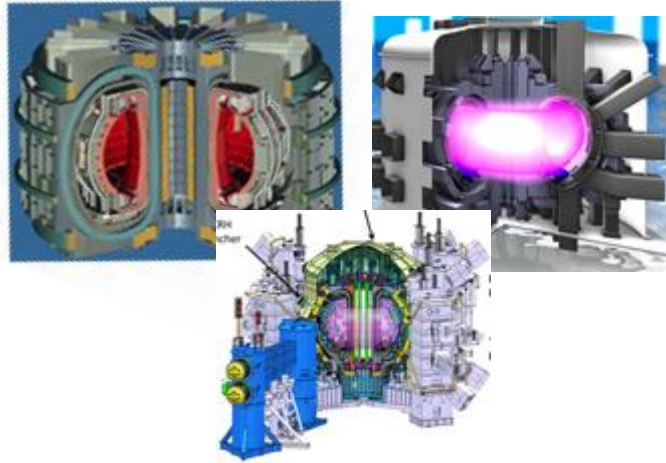


# Design and analysis of SC magnets for future tokamaks



[R. Bonifetto et al., IEEE TAS, 2020]

Implementation of the magnet model in the 4C code

Feedback to conductor/magnet design teams

Problem: the design choices for the magnet system of future tokamaks must be carefully assessed with reliable numerical tools

Aim of the work: predictive simulations of normal and off-normal (quench analysis) operation of CS, TF, PF coils for

- a) DTT  
- b) EU DEMO  
- c) JT-60SA (including possible comparison with exp data)  



- Prerequisites: general knowlegde of the magnet system of a tokamak

In collaboration with