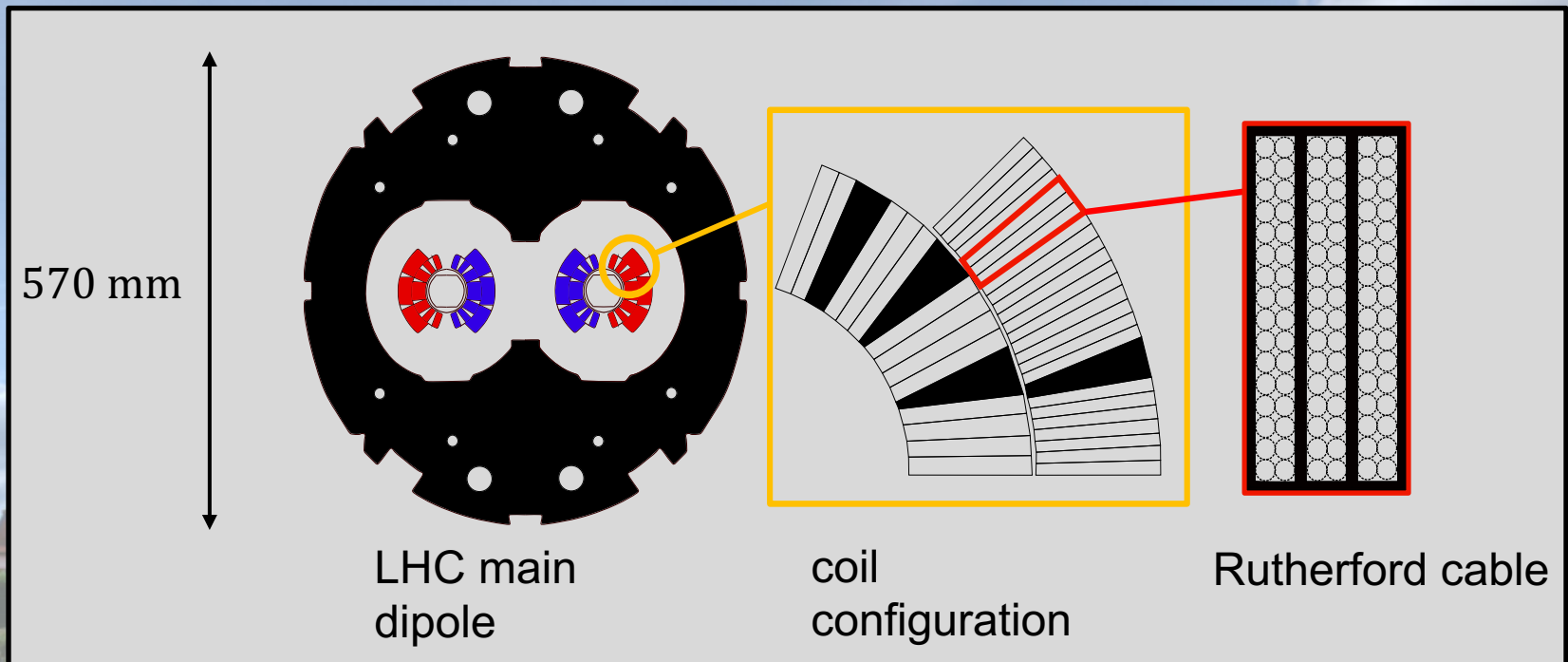


Modelling, Simulation and Optimisation of Superconducting Magnets



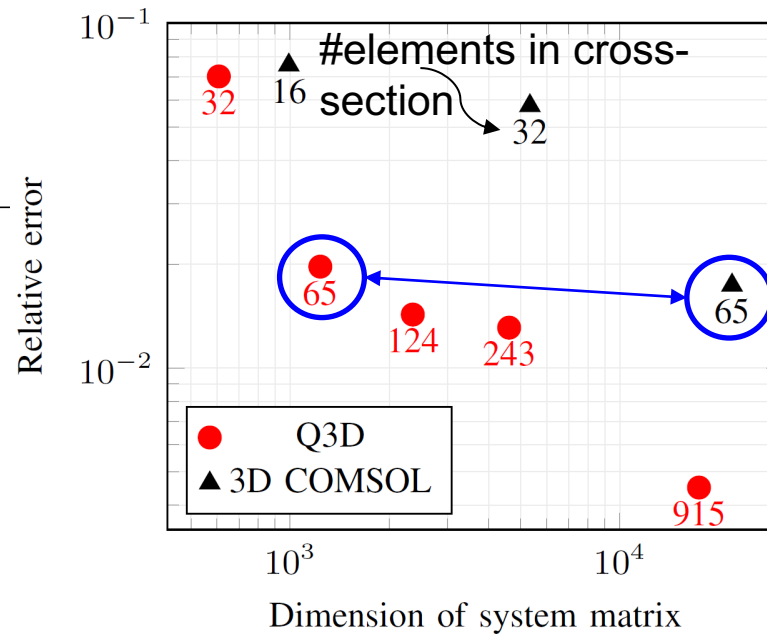
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Laura D'Angelo, Dimitrios Loukrezis, Herbert De Gersem



L. A. M. D'Angelo, J. Christ, and H. De Gersem, „Quasi-3D discretization of thermal hot-spot propagation in superconducting models“, IEEE Trans. Appl. Supercond., vol. 30, no. 4, 2020.

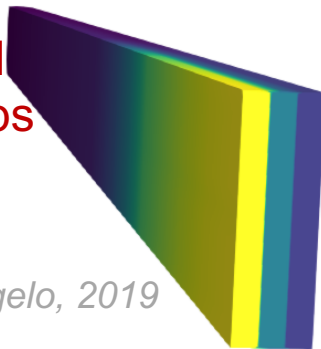
Roadmap



(many)
FE solutions

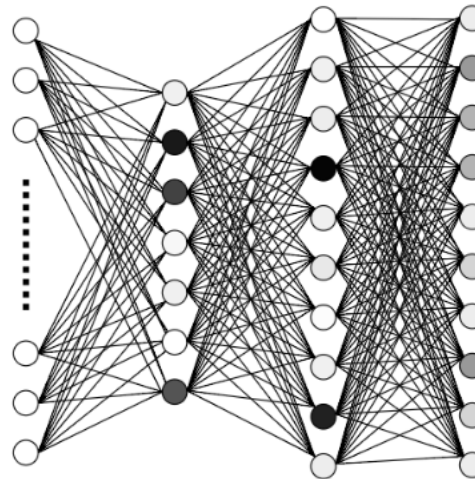
field
maps

D'Angelo, 2019



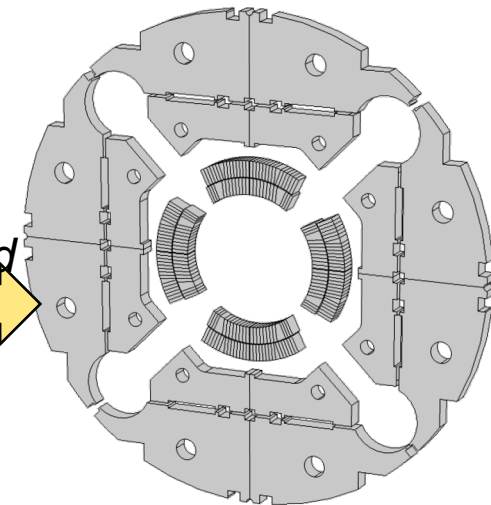
train

neural network



embed

overall FE model



Bortot et al., STEAM, 2017