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Review of quench detection methods in superconducting magnets (20'+5')

Friday 11 September 2015 09:00 (25 minutes)

This talk gives a summary of quench detection methods used so far in superconducting magnets, both in already operating facilities and in experimental test stations. An special emphasis will be given to quench detection issues in large scale, superconducting magnet machines like LHC and the future ITER. Results from experiments specifically designed for studies and from operational experience will be presented. Finally, potentials of the different methods in view of future applications to HTS magnets are briefly discussed.

Presenter: RODRIGUEZ MATEOS, Felix (CERN)

Session Classification: Detection