# Summary of Paper EX/P6-20
MACHINE LEARNING FOR DISRUPTION WARNING ON ALCATOR C-MOD, DIII-D, AND EAST TOKAMAKS

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- We have developed extensive databases of disruption-relevant parameters from discharges on C-Mod, DIII-D, and EAST to apply machine learning methods to create and test disruption prediction algorithms.

- We find that different sets of signals are relevant for each machine.

- Random Forests predictors that have been optimised for each machine perform comparably on a shot-by shot basis.

- We have installed the DIII-D predictor algorithm into the plasma control system and ran it in real time, with good results.

- We have run the EAST predictor algorithm between shots, and can provide a reliable warning of an impending VDE disruption.
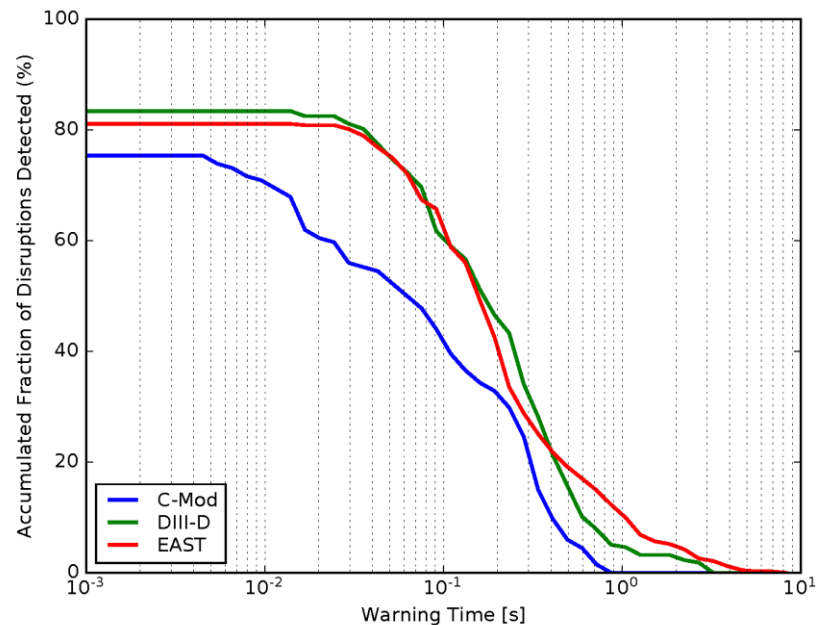
Comparison of disruption predictor performance for Alcator C-Mod, DIII-D, and EAST.