

# A Machine Learning Approach for Efficient Disruption Prediction in Tokamaks



## I. Bandyopadhyay et al

- ML and ANN techniques applied on a data set of 2216 ADITYA discharges with 1D time series data, including both disrupting and non-disrupting shots
- A 3 layer ANN automatically selects measurements with highest correlation with disruption events.

- The combined result of the ANNs presently predicts the shot-type with overall 97.11% accuracy, whereas share of disruption classification accuracy is 99.0%.

