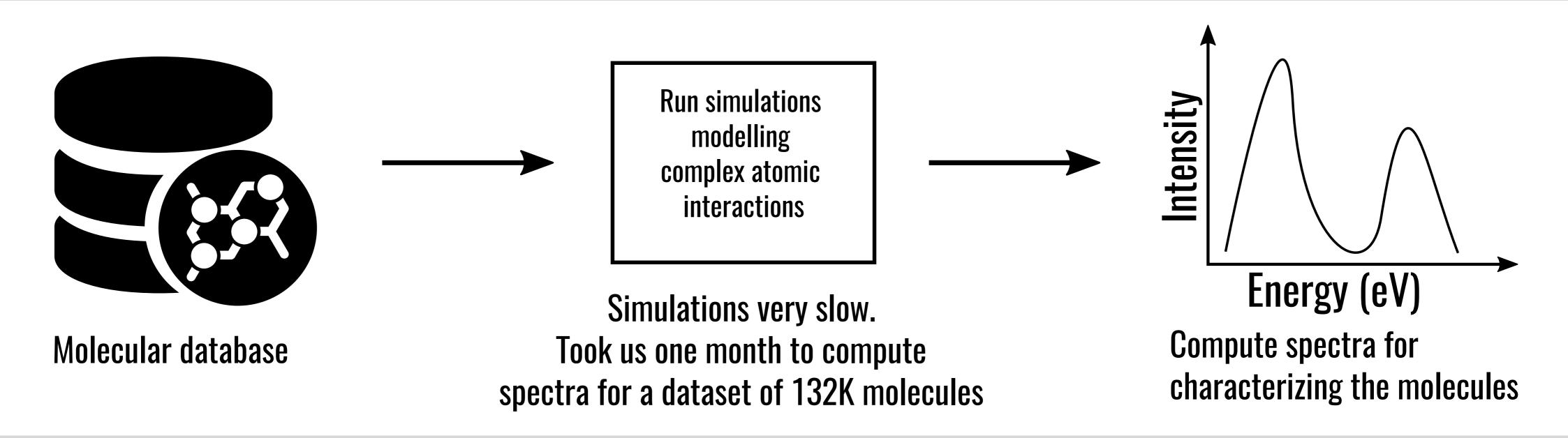
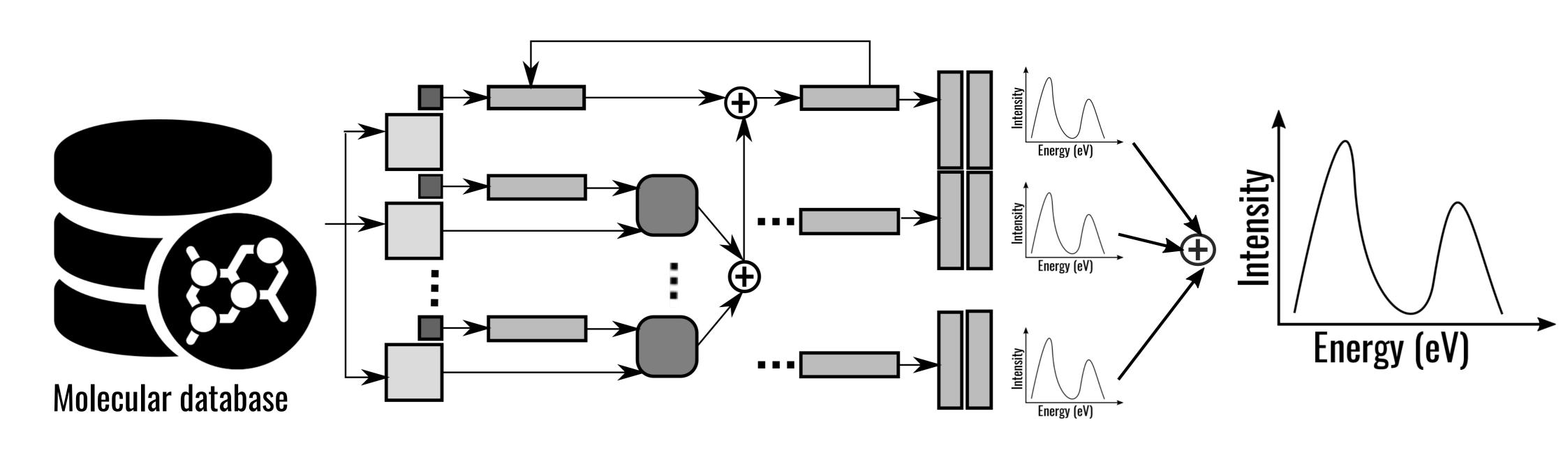
Deep neural nets can help double the battery life of your phone

by speeding up the search for new battery materials[†]

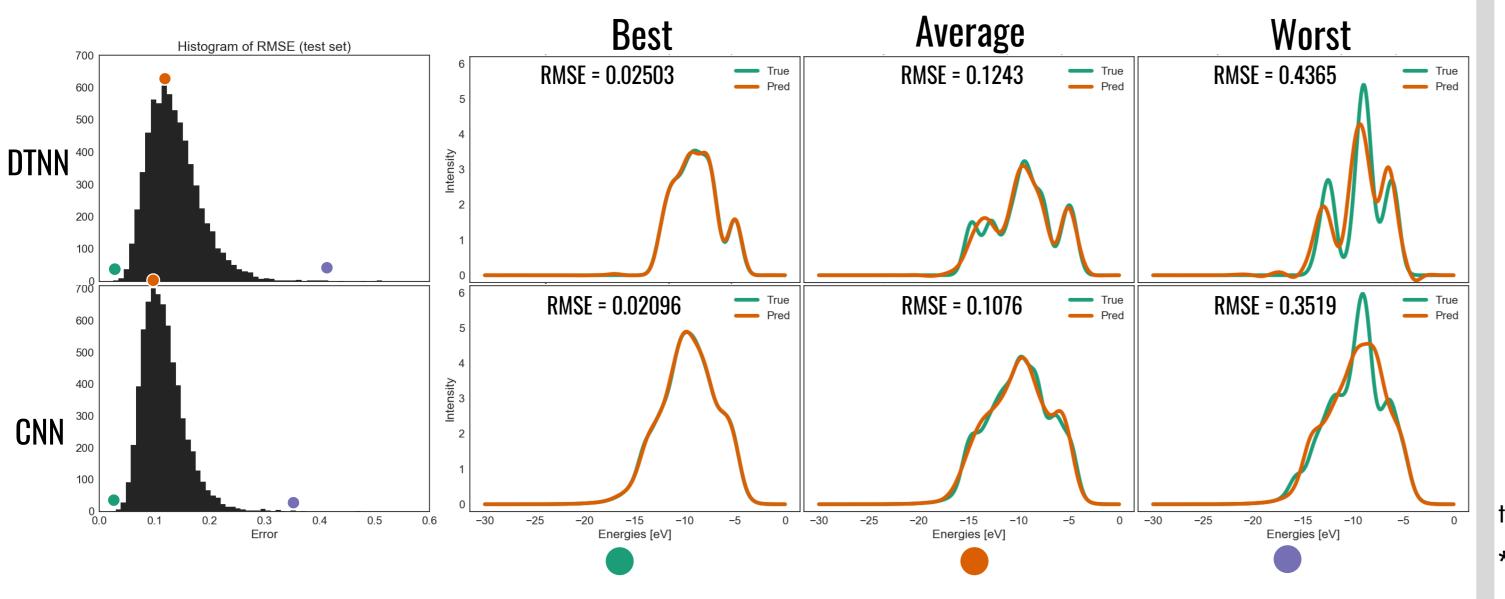
But first, searching for new materials 101: material characterization



Replace slow simulations with custom designed* neural nets (for inference)



Results and contact details



Deep Learning for Predicting Molecular Electronic Properties, Kunal Ghosh, Master's thesis, Aalto University Supervised by: Prof. Aki Vehtari

In collaboration with :

Prof. Patrick Rinke, Dr. Milica Todorovic, Annika Stuke, Dept. of Applied Physics, Aalto University

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[†] One possible way to double the battery life of phones.

* Modified from deep tensor neural networks (Schutt et.al 2017)