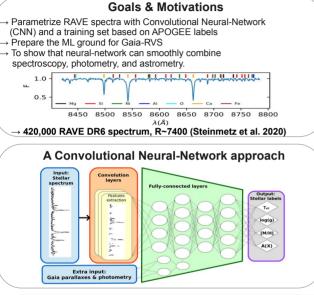
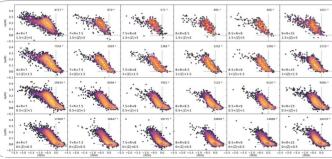
Leibniz-Institut für Astrophysik Potsdam AIP

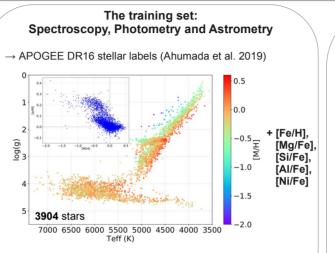


Guillaume Guiglion aquiglion@aip.de github.com/gguiglion/CNN Guiglion et al 2020

Unifying large-scale Spectroscopy, Astrometry, and Photometry with Convolutional Neural-Networks







+ Gaia DR2 parallaxes (Lindegren et al. 2018) + 2MASS JHK, ALL WISE 1&2, G, Bp, Rp photometry

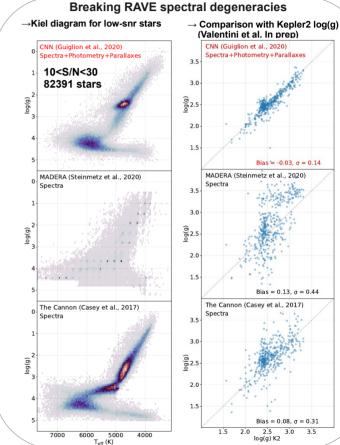
Probing the Milky Way galactic disc and halo

→ Numerous abundances over a larger galactic volume than RAVE

- → Consistent picture with Queiroz et al. 2020.
- \rightarrow Good insights for Gaia-RVS, that will provide

millions of intermediate resolution spectra, similar to RAVE.

G. Guiglion et al. 2020, A&A, 644, A168



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