Contribution ID: **85** Type: **Invited Talk**

Coronal heating diagnostics from high spatial and temporal resolution spectroscopic observations

Wednesday, 1 March 2023 09:00 (20 minutes)

I will discuss how high resolution current and future observations of the solar atmosphere (e.g., with IRIS, SDO, Hinode, MUSE and EUVST), help us advance our understanding of the role of different physical processes – including, e.g., braiding, Alfven waves, accelerated particles resulting from magnetic reconnection – in heating the solar corona.. In particular I will focus on the synergy between high resolution spectroscopic observations and state-of-the-art models, and will discuss how future transition region and coronal observations from MUSE, EUVST, and other observatories, are expected to test and constrain coronal heating models.

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