

## Supplementary material

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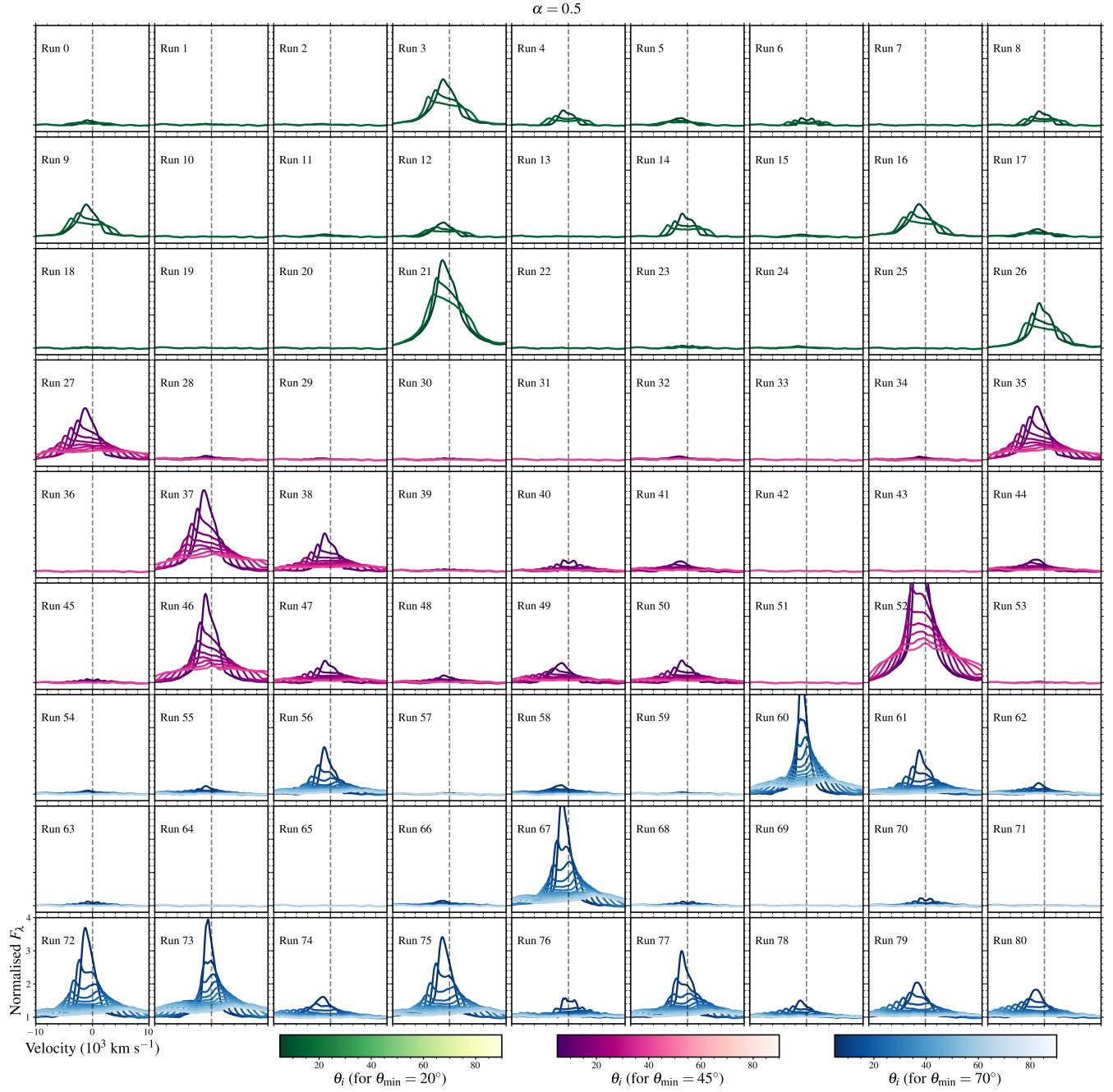
### ABSTRACT

Supplementary material for the paper “A disc wind model for C<sub>IV</sub> emission line blueshifts in quasars” by J. H. Matthews et al., submitted to MNRAS.

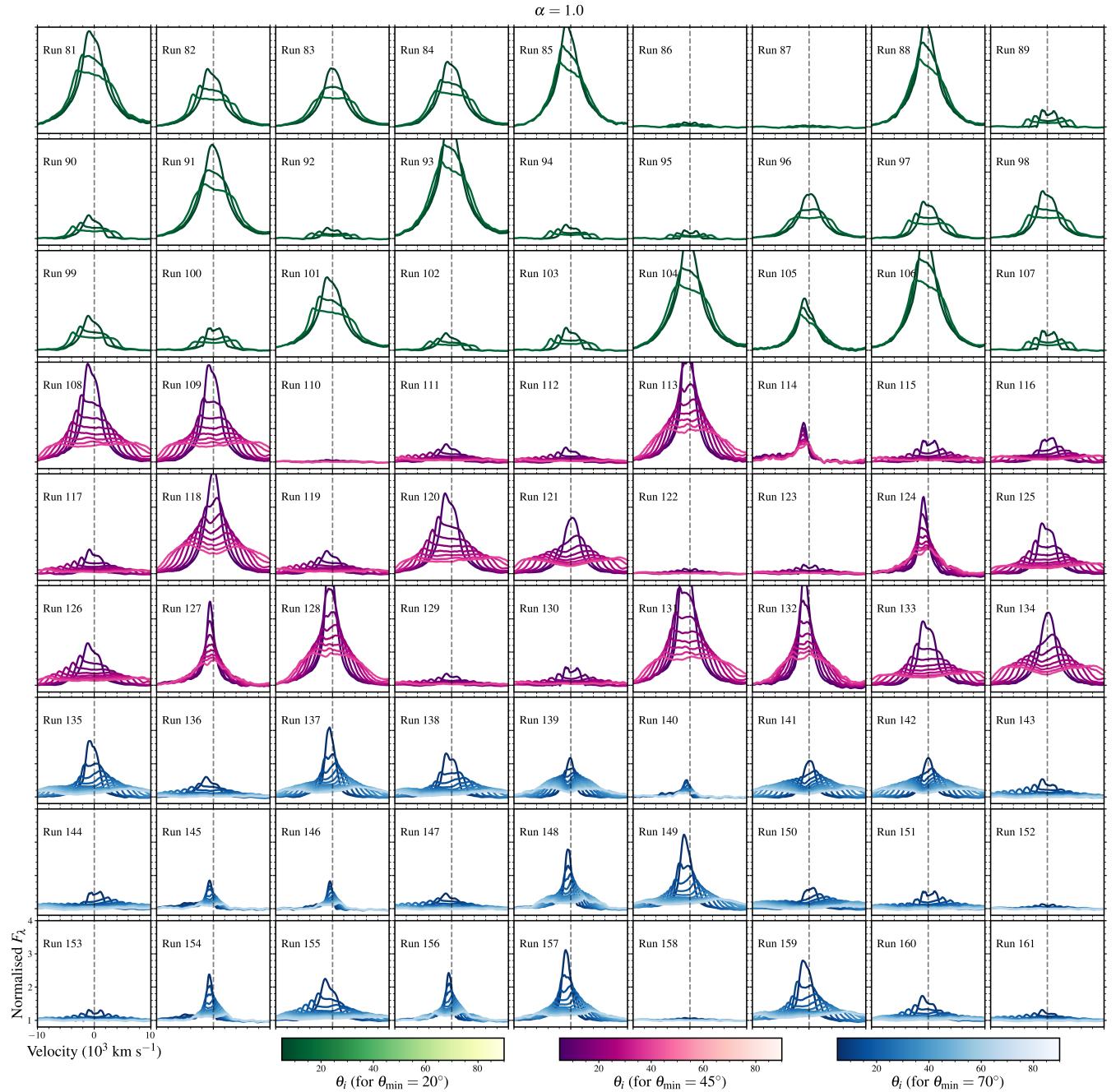
### 1 C<sub>IV</sub> LINE PROFILES FOR ALL MODELS

In Figs. S1, S2 and S3 we show C<sub>IV</sub>  $\lambda$ 1550 line profiles for the entire simulation grid, with 81 models shown for each value of  $\alpha$ , the acceleration exponent. As in Fig. 3 in the main text, the line profiles are colour coded by inclination and each run is labelled with a unique numeric identifier.

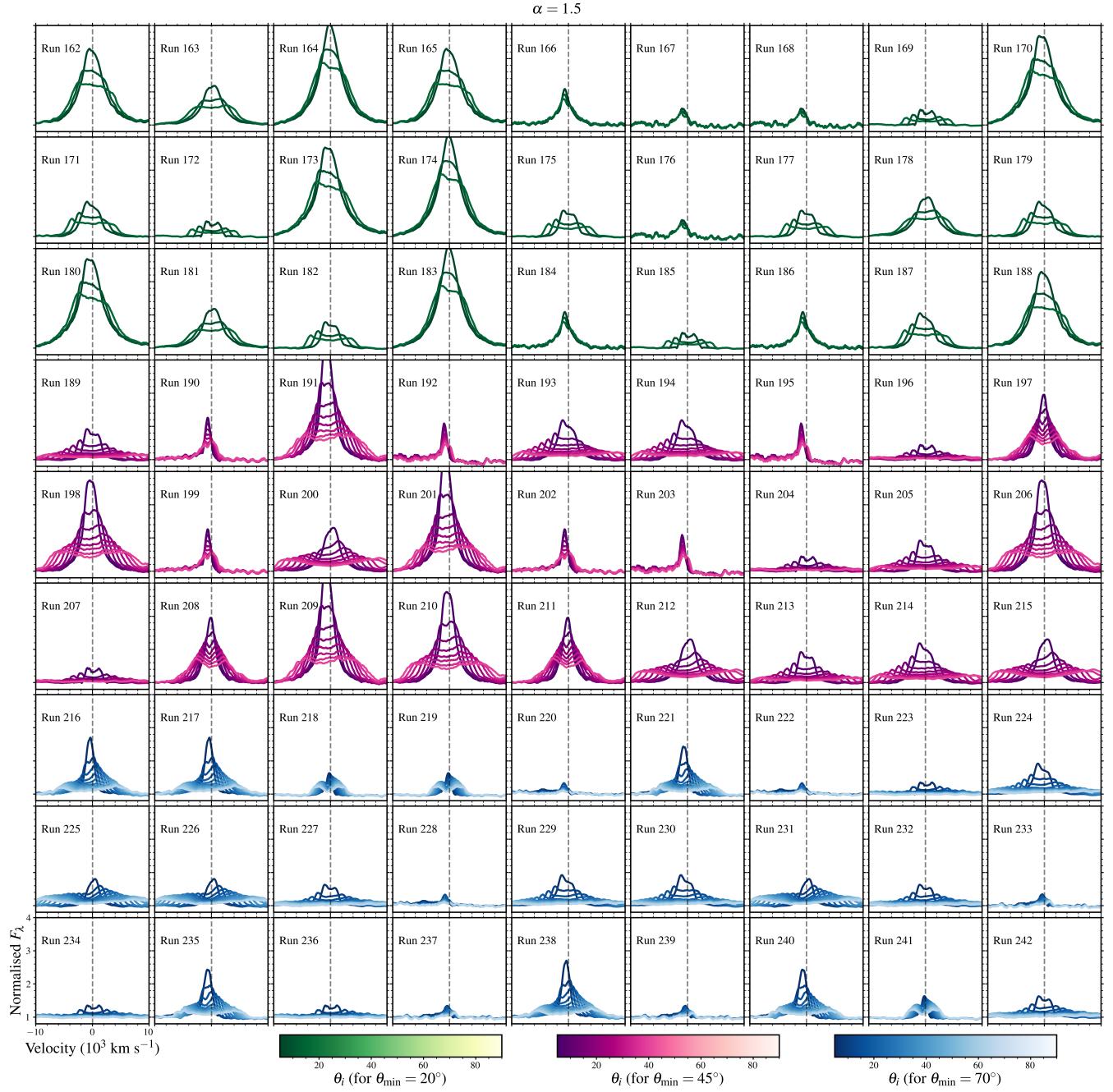
This paper has been typeset from a T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X file prepared by the author.



**Figure S1.** All continuum-normalised C IV line profiles as a function of velocity and at a range of inclinations for  $\alpha = 0.5$ . The colour scheme is different for each wind inner opening angle  $\theta_{\min}$ , with the polar, intermediate and equatorial winds shown using different colour schemes. The colour-map intensity denotes inclination,  $\theta_i$ .



**Figure S2.** All C iv line profiles as a function of inclination for  $\alpha = 1$ .

**Figure S3.** All C IV line profiles as a function of inclination for  $\alpha = 1.5$ .