

the thickness of high- z quasar ionization fronts as a constraint on the quasar ionizing SED

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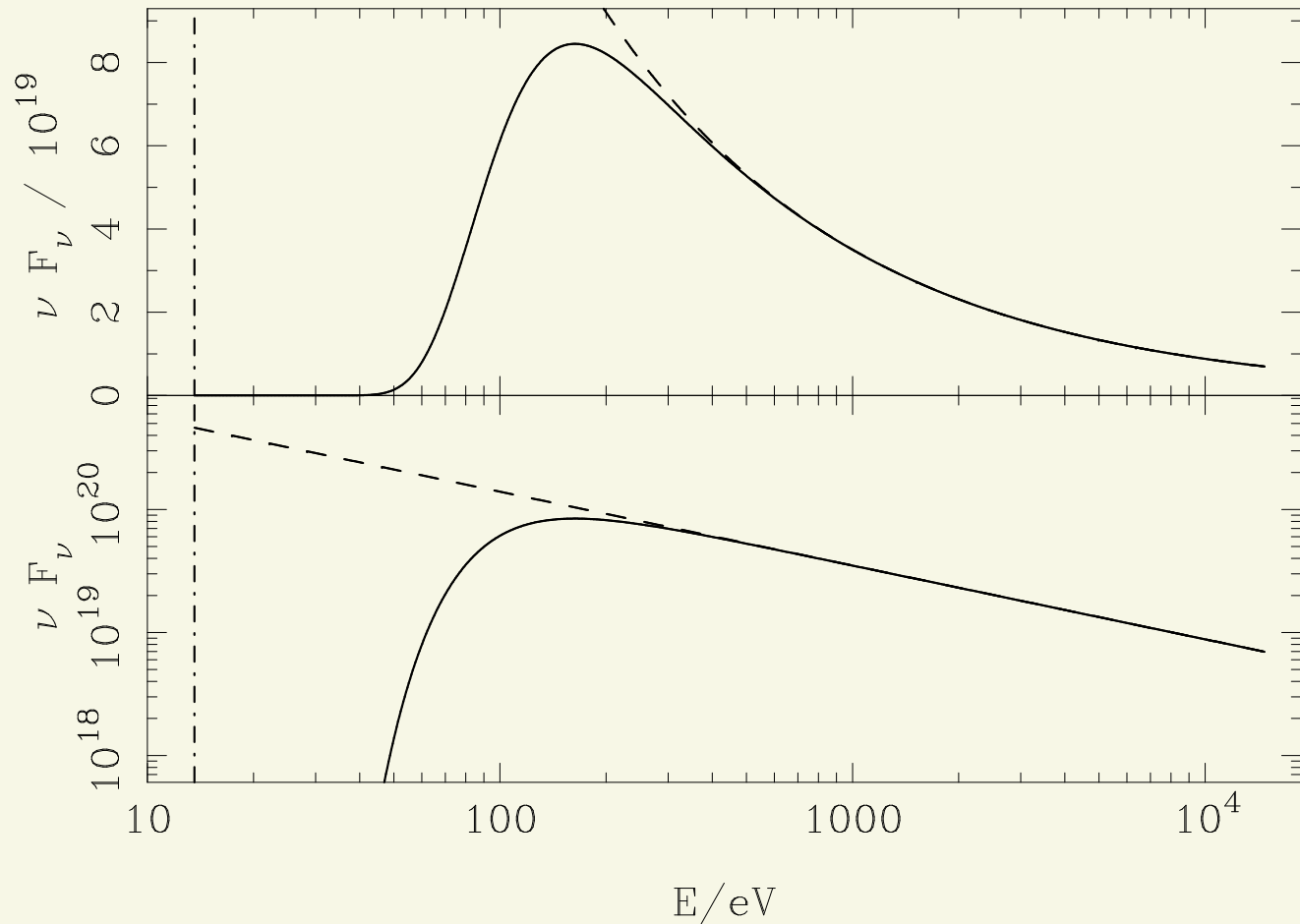
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R. H. Kramer & Z. Haiman, *MNRAS*, accepted, preprint arXiv:0712.3548

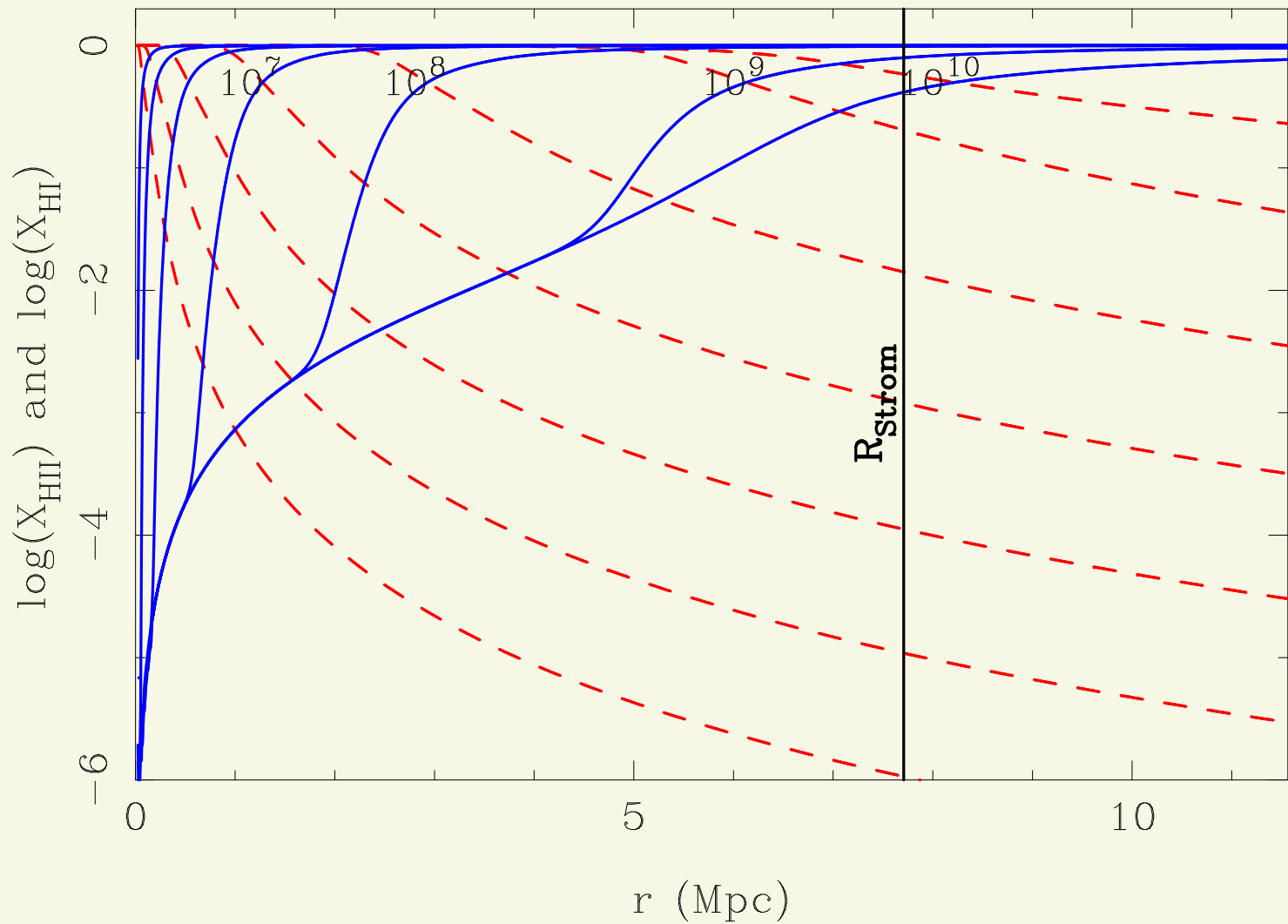
an absorbed power-law spectrum



$$L_\nu \propto \nu^{-s} \exp\left(-N_H \left[\sigma_{\text{HI}}(\nu) + \frac{n_{\text{He}}}{n_{\text{H}}} \sigma_{\text{HeI}}(\nu)\right]\right)$$

with $s = 1.6$ and $N_H = 10^{19.2} \text{ cm}^{-2}$

ionization front evolution with radiative transfer



ionization front evolution with radiative transfer

