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Using GALPROP to Study H and He Spectra Hardening in Cosmic-Ray Data YUXI LU, MATHEW CHUNG, XINYING DING, NICOLAS PICOT-CLEMENTE, EUN-SUK SEO, Univ of Maryland-College Park — Recent measurements from CREAM, then PAMELA and AMS-02, showed a hardening in cosmic-ray spectra at high energies. GALPROP is a numerical code that calculates cosmic-ray propagation in the Galaxy. Using GALPROP, we added rigidity breaks in cosmic-ray diffusion and source spectra to reproduce the latest data. We present results of this study and give ranges of parameter values that are allowed with current measurements.

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