Transition rates in proton - Rydberg atom collisions\textsuperscript{1} DANIEL VRINCEANU, Texas Southern Univ — Monte Carlo simulations for energy and angular momentum transfer processes in proton - Rydberg atom collisions were performed and the corresponding rates are reported. The relevance of these rates in the context of cosmological recombination is discussed. The rates are contrasted with the similar rates in electron - Rydberg atom collisions.

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