

STIMULATED RADIATIVE ASSOCIATION OF He AND He⁺ (Ref. 1)

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The enhancement of the rate coefficient for the radiative association of He and H⁺ to form HeH⁺ arising from stimulated emission due to a blackbody radiation field is calculated. The effects on the fractional abundance of HeH⁺ in the early Universe, in supernova ejecta and in planetary nebulae are small. There may occur some enhancement in the abundance of HeH⁺ in quasar broad-line clouds.

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