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Charge Transfer Cross Section Measurement in Na+ + Rb(4d) MUDESSAR SHAH, HOWARD CAMP, MARK TRACHY, HAI NGUYEN, BRETT DEPAOLA, J. R. Macdonald Laboratory, RICHARD BREDY, Universite Claude Bernard Lyon, XAVIER FLECHARD, LPC Caen, ALINA GEARBA, U. Southern Mississippi — Single charge transfer measurements at in the few keV collision energy range are fairly well known, both experimentally and theoretically. The exception to this is the case of charge transfer from excited-state targets. Here, we present experimental charge transfer cross sections, differential in scattering angle, for 7 keV Na⁺ + Rb(4d). The measurements were made using the MOTRIMS methodology, and the Rb is prepared using resonant, 2-photon, 2-color, laser-excitation.

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