

Abstract Submitted  
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**Charge Transfer Cross Section Measurement in  $\text{Na}^+ + \text{Rb}(4d)$**   
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Southern Mississippi — Single charge transfer measurements at in the few keV col-  
lision 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 scat-  
tering angle, for 7 keV  $\text{Na}^+ + \text{Rb}(4d)$ . 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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