

Abstract Submitted  
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**Calculation of Atomic Parameters of multiply-stripped Atoms**

KHONDKAR KARIM, Illinois State University — We present theoretical transition rates, transition energies, fluorescence and Auger yields, and satellite intensity factors, for several atoms with configurations  $n_1 l_1^{q_1} n_2 l_2^{q_2}$  and  $n_1 l_1^{q_1} n_2 l_2^{q_2} n_3 l_3^{q_3}$  for various values of  $q_1$ ,  $q_2$ ,  $q_3$ , and  $n_1$ ,  $n_2$ , and  $n_3$ . The Hartree-Fock and Hartree-Fock-Slater atomic models were used to generate the wave functions. The calculation was performed in intermediate coupling scheme with inclusion of configuration interaction effects.

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