

Abstract Submitted
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Photoionization of ClII¹ SULTANA NAHAR, The Ohio State University, E. HERNÁNDEZ, Universidad Autónoma del Estado de Morelos, A. ANTILLÓN, A. MORALES, Universidad Nacional Autónoma de México, O. GONZÁLEZ, University of Groningen, D. MACALUSO, Montana State University, D. HANSTORP, University of Gothenburg, A. AGUILAR, The Advanced Light Source, Lawrence Berkeley National Laboratory, A. JUÁREZ, G. HINOJOSA, Universidad Nacional Autónoma de México — The cross section and spectrum for the process of single photoionization of the chlorine cation was measured in the energy range of 19.5 to 28.0 eV with a photon energy resolution of 20 meV. Over a non resonant cross section, resonant structures originated from initial Cl+ 3P(J=0,1,2) manifold converging mainly to 2P(J=3/2) and 2D(J=5/2) are identified. A theoretical calculation based on the close coupling R-matrix is under progress. CONACYT CB-2011 167631

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