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Dielectronic Recombination in Pb+78 M S PINDZOLA, M R FOGLE, Auburn University, S A ABDEL-NABY, American University of Sharjah — Semi-relativistic perturbation theory calculations are carried out for dielectronic recombination cross sections involving the 1s2 2s 2p nl subshells of Pb+77 as found above the 1s2 2s2 ionization threshold of Pb+78. We included levels in the 1s2 2s 2p nl subshells of Pb+77 for n = 7-20 and l = 0-4. Theoretical dielectronic recombination cross sections are compared with experimental dielectronic recombination rate coefficients for the 1s2 2s 2p 19l subshells of Pb+77.

Michael Pindzola
Auburn University

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