Mobility of Ar$^{(}$+) IN Ar/CF_4[1] ZELJKA NIKITOVIC, VLADIMIR STOJANOVIC, ZORAN RASPOPOVIC, ZORAN LJ. PETROVIC, Institute of Physics, University of Belgrade, Belgrade, Serbia — In this paper we present a cross section sets for Ar$^{(}$+) in Ar/CF_4 where existing experimentally obtained data are selected and extrapolated. Monte Carlo code is applied to accurately calculate transport coefficients in hydrodynamic regime. We discuss new data for Ar$^{(}$+) ions in Ar/CF_4 where flux and bulk values of reduced mobility are given as a function of reduced electric field E/N (E-electric field, N-gas density).

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