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Electron Transport in Ar/H2 Mixtures VLADIMIR STOJANOVIĆ, ŽELJKA NIKITOVIĆ, ZORAN LJ. PETROVIĆ, Institute of Physics University of Belgrade, P.O.B. 68, 11080, Belgrade, Serbia — In this work we present transport coefficients for electrons in Ar/H2 mixtures for the conditions used in plasma assisted technologies for semiconductor production. We used numerical solution of Boltzman equation analysis obtained by program ELENDIF and Monte Carlo technique. For the conditions of very high electric fields is shown contribution of backscattered electrons of Ha emission for stainless steel and graphite anode surface.

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