

the charged-particle cross sections. Since reasonable accord was obtained between experiment and theory for the electrical conductivity, it seems unlikely that the latter cross sections are inaccurate, at least at atmospheric pressure. In view of the number of different experiments considered in choosing the charge-transfer cross sections, it seems unlikely that more than a 20% adjustment can be expected there, hardly enough to improve the agreement much, and then only near the  $\lambda_r$  maximum. It is more likely that correct allowance for radiation transfer in the arc would lower the experimental values to nearer the theoretical curve.

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