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Laser optogalvanic spectroscopy of neon and krypton in a discharge plasma NAVEED PIRACHA, KURT NESBETT, SOHALA MOTEN, PHIL MOELLER, John Carroll University — We report studies on the temporal evolution of the optogalvanic signal in neon and krypton using commercial hollow cathode lamps in conjunction with Nd: YAG pumped dye laser system. Transitions resulting from the excitation of $3s[3/2]2$ and $5s[3/2]2$ metastable states have been selected to study the discharge mechanism.

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