

Hollow anode-cathode He-Kr ion laser

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Abstract: Laser operation parameters were investigated in a 469 nm He-Kr hollow anode-cathode laser. In this type of discharge tube voltage could be changed by varying the number of internal anode rods. Increasing tube voltage resulted in higher output power and lower threshold current. Optimum He and Kr partial pressure values were found to depend on discharge current. A maximum output power of 75 mW and a gain of 16%/m was obtained. ?? 1984 with the authors.

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