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Laser Scattering From a Gas Jet Plasma Source STACI BROWN, ARNESTO BOWMAN, R. WILLIAMS, Florida A&M University — The plume of a gas jet plasma source is studied using YAG and CO_2 lasers and a pulsed electron beam. The piezoelectric valve's opening and closing times are studied using HeNe and YAG lasers. Shadowgraphy is used to obtain images of the plume and to help align the lasers to the plume. Also discussed are attempts to generate and detect plasma waves in the plume.

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