

Abstract Submitted
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Ozone densities in the effluent of an APPJ BRAYDEN MYERS,
KATHARINA STAPELMANN, North Carolina State Univ — Ozone concentrations
in the effluent of a plasma jet are measured using absorption spectroscopy. A COST
atmospheric pressure plasma jet is used with a total plasma volume of 30 cubic
mm [1]. The COST source is a reference source built to better characterize the
parameters of -APPJs. -APPJs are being actively examined for applications in the
medical field, including sterilization and wound treatment. Gas flows of 1-1.5 slm
of helium, along with small admixtures of oxygen, less than 1[1] J. Golda et al., J.
Phys. D: Appl. Phys., 49, 2016 [2] D. Ellerweg et al., Plasma Sources Sci. Technol.,
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