

Abstract Submitted
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Characterization of Dye Laser Materials Pumped by a TEA Nitrogen Laser¹ ALAN MARTINEZ, JAMES ESPINOSA, University of West Georgia, JAMES ESPINOSA, Texas Woman's University — TEA (Transverse Electrical excitation at Atmospheric pressure) Nitrogen lasers are relatively easy to produce and can be constructed from items that can be found in the lab. Because it is so readily accessible and cost effective, we constructed a working model to be used as a test bed for a number of materials to test their use as dye lasers. The TEA laser emission is optimized to be used as a pump source to excite potential dye materials in order to achieve lasing. We measure the output of the dyes and report our preliminary results.

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