Abstract Submitted
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Efficiency and Linewidth Improvements in a Grazing Incidence Dye Laser DAVID VANDENBERG, R. SETH SMITH, EZEKIEL A. SHULER, Francis Marion University — The poster to be presented will describe an undergraduate senior research project involving a dye laser. The dye laser is a grazing incidence design that is pumped by a Continuum Surelite I Nd:YAG laser. The project will examine the principal factors which affect the efficiency and linewidth of a grazing incidence dye laser and will explore methods for improving these parameters. The presentation will include all relevant data and results, as well as a discussion of the challenges that were encountered and future research that is planned.

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