

CWSF 2006 - Saguenay, Québec



Christopher Syposz

Nitrogen Lasers

Division: International

Category: Intermediate

Region: Northwestern Ontario

City: Thunder Bay, ON

School: St. Patrick H.S.

Abstract: This project deals with the effect of various variables including electrode design, on efficiency, power output, and other characteristics of a homemade Transverse Atmospheric Discharge nitrogen laser powered by a Van De Graff generator. It also looks at the feasibility of a nitrogen laser with a resonant cavity.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$300
Total	\$1 300