

**GENERAL ASSEMBLY OF NORTH CAROLINA**

**SESSION 1989**

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**SENATE BILL 1150**

Short Title: Fusion Research Funds.

(Public)

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Sponsors: Senator Block.

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Referred to: Ways and Means.

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May 3, 1989

**A BILL TO BE ENTITLED**

**AN ACT TO APPROPRIATE FUNDS TO THE NORTH CAROLINA BOARD OF  
SCIENCE AND TECHNOLOGY FOR RESEARCH IN FUSION AT NORTH  
CAROLINA STATE UNIVERSITY.**

The General Assembly of North Carolina enacts:

Section 1. There is appropriated from the General Fund to the North Carolina Board of Science and Technology created in G.S. 143B-426.30 \$500,000 for the 1989-90 fiscal year for an in-depth investigation of cold fusion to be conducted by a multi-disciplinary research team at North Carolina State University to:

- (1) Determine if cold fusion is, indeed, the result of a nuclear process as suggested by Fleischmann and Pons, or is some unknown chemical process.
- (2) Determine which nuclear reactions are involved and to provide an explanation for why they are occurring.
- (3) Quantify the output of heat. If heat output exceeds energy input, then cold fusion will herald a new era of power generation. If heat output does not exceed heat input, cold fusion may still have important applications in the generation of rare isotopes.
- (4) Explore ways to enhance reaction rates while limiting the production of undesired radioactive byproducts and radiation.

Sec. 2. This act shall become effective July 1, 1989.