# TEXAS A&M UNIVERSITY PHYSICS LECTURE DEMONSTRATIONS

Colleagues,

The Physics Demonstration Program has been reorganized and updated for implementation in the new George P. and Cynthia Woods Mitchell Institute for Fundamental Physics and Astronomy and the George P. Mitchell '40 Physics Building. <u>Click here to view Modern Physics</u> <u>Demonstrations.</u>

The labeling system of the demonstrations has also been changed. The new labeling will incorporate the Demonstration Classification System (DCS) suggested by PIRA, the Physics Instructional Resource Association. The goal of the PIRA Demonstration Classification Scheme is to create a logically organized and universally inclusive taxonomy giving a unique number to every lecture demonstration.

External website references have been added to the demonstration notes when possible. These references have information (historical and practical) to supplement the notes listed in the demo page.

If you are interested in using one of these demonstrations in your classroom, you may send me an email with your class information and the demonstration number and name. Please allow at least two class days notice for the demonstration requests.

#### **Santos Ramirez**

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## **Modern Physics**

### 7B10.10 EMISSION SPECTRA

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### 7B10.10 EMISSION SPECTRA (Diffraction grating and Cornell slides)



Apparatus:Gas discharge tubes and supports (2 ea)Incandescent lamp on baseDiffraction gratings (specify number)Cornell slides (specify number)Cornell slide pattern board

*Notes:* Emission spectra of the gas discharge tubes may be viewed with the diffraction grating or Cornell slides. {Please be sure all materials are returned after use by the students.} Turn off room lights for better viewing.