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# Physics Department Seminar

Friday May 11th, 2001

11:00am in PhSc 105

## “Radiation and the Earth’s Energy Balance”

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Abstract:

Absorption and loss of solar and terrestrial radiant energy by the Earth and its atmosphere is almost completely responsible for the Earth’s weather and climate. Accounting for this incoming and outgoing radiant energy is the study of the Earth’s energy balance. The ‘natural’ and anthropogenic constituents of the Earth’s atmosphere play a vital role in this balance. A simplified discussion will be presented on how these constituents, including atmospheric gases, aerosol particles, and GHG’s, effect and alter the Earth’s energy balance.