



HAO Colloquium Series

(Refreshments served)

Speaker: Bill Livingston, NSO

Time: 1:30–2:30 pm

Date: Wednesday, May 16, 2012

Location: CG1-1210 South Auditorium

Title: My love affair with Fe 1564.8 nm

Abstract:

For the purposes of measuring magnetic fields in sunspot umbrae, this near-IR spectrum line is better than other conventionally used lines by almost a factor of 10. Factors include wavelength, Lande $g=3$, temperature insensitivity, and freedom from blends. Observational results with S. Solanki, M. Penn, and L. Svalgaard are discussed; unexplained questions arise.