



Physics Department Seminar

Friday April 4th, 2014

3:00pm in Physical Science 105

“Astrophotography”



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Abstract:

The hobby of astrophotography has given me an excuse to get out and enjoy the night sky, buy fancy new toys, learn data processing techniques, and learn more about the physics of the Universe. It's also provided me a good opportunity to talk about science when I share my pictures with others. In this talk, I'm going to focus on some of the interesting physical processes I've learned about ranging from the layers of the sun's atmosphere and clouds of interstellar gas, to diffraction and other atmospheric optical effects that occur in our own atmosphere. I will also talk about some of the challenges of the hobby and techniques to produce good images including a few techniques that I believe are new and have allowed me to produce some unique images.

Weather permitting, I hope we can spend the last 20 minutes or so observing the sun through my hydrogen alpha solar telescope.

