

Sacramento Mountains Spectroscopy Workshop 2019

Friday - February 22, 2019

8:00 – 9:00 AM	Included breakfast
9:00 – 9:15 AM	Introductions, schedule, events – Ken Hudson / Joe Daglen
9:15 – 10:30 AM	Basics of spectroscopy – Francois Cochard
10:30 – 10:50 AM	Break
10:50 – 11:30 AM	Spectroscopy instruments – Francois
11:30 – 12:15 PM	ISIS software – installation and overview – Joe / Ken
12:15 – 1:30 PM	Included lunch
1:30 – 3:00 PM	ISIS software – data reduction workflow – Ken / Joe
3:00 – 3:20 PM	Break
3:20 – 4:30 PM	Interpreting spectra of intermediate and high-mass stars – David Whelan, PhD
4:30 – 5:15 PM	AAVSO spectroscopy database – Stella Kafka, PhD
5:15 – 6:45 PM	Dinner on your own
7:00 PM	Setup and data collection at home of David Doctor, MD

Saturday - February 23, 2019

8:00 – 9:00 AM	Included breakfast
9:00 – 10:00 AM	Data reduction with ISIS using Lhires data collected Friday night – Joe / Ken
10:00 – 10:30 AM	Data reduction with Demetra using Alpy data collected Friday night – Francois
10:30 – 10:50 AM	Break
10:50 – 12:00 PM	What equipment do I need for spectroscopy? - Francois
12:00 – 1:30 PM	Included lunch
1:30 – 2:30 PM	Radial velocity and line broadening in spectra – Katie Devine, PhD
2:30 – 3:30 PM	Amateur spectroscopy projects – Stella
3:30 – 3:50 PM	Break
3:50 – 5:00 PM	Spectroscopy of Be stars – Drew Chojnowski, NMSU
5:30 – 9:00 PM	No host cocktail party with heavy appetizers

Sunday - February 24, 2019

8:00 – 9:00 AM	Included breakfast
9:00 – 10:30 AM	VSpec and the analysis of spectra – Valerie Desnoux
10:30 – 10:45 AM	Break
10:45 – 11:30 AM	Amateur spectroscopy panel discussion and Q&A – Christian / Valerie / Francois / Olivier
11:30 – 12:00 PM	College of Idaho student presentation on beginning spectroscopy – College of Idaho students
12:00 – 1:15 PM	Included lunch
1:15 – 1:45 PM	UVEX (3), a spectrograph for beginners and some science – Christian Buil
1:45 – 2:15 PM	Contributing to the BeSS database – Valerie / Ken / Joe
2:15 – 3:10 PM	Confirmation of planetary nebula candidates with spectroscopy – Olivier Garde
3:10 – 3:30 PM	Break
3:30 – 4:00 PM	Lessons learned with beginning spectroscopy – Joe / Ken
4:00 PM	Workshop conclusion – Ken / Joe