

P R O G R A M
For Practical School on Spectroscopy
BNAO – Rozhen, 21-28 October 2007

21 October, Sunday

Arrival and accommodation

20:00 - Welcome party

22 October, Monday

9:30 – opening

10:00 – 11:00 Basic knowledge on astrospectroscopy. Spectral instruments. (D. Kolev)

11:00 – 12:00 Coude spectrograph at BNAO-Rozhen. CCD spectra. (N. Tomov)

12:00 – 14:00 Lunch time

14:00 – 15:00 Chemically peculiar stars - A and F: basic spectral characteristics and determination of fundamental parameters from spectra. (I. Iliev)

15:00 – 15:30 Coffee-break

15:30 – 17:30 Visit to the 2m telescope. Instructions for work with the Coude-spectrograph. (D. Kolev)

18:00 – 20:00 Dinner time

20:00 – Observations with the Coude spectrograph. – Students will be divided in groups. Each group will observe part of the night. (night instructors: L. Iliev, D. Kolev)

23 October, Tuesday

11:30 – 13:00 Lunch time

13:00 – 14:00 Low-resolution spectroscopy: observational requirements (M. Dennefeld)

14:00 – 15:00 O and B stars – basic spectral characteristics and determination of fundamental parameters from spectra. (N. Markova)

15:00 – 16:00 G, K and M stars – basic spectral characteristics and determination of fundamental parameters from spectra. (R. Konstantinova-Antova)

16:00 – Coffee-break

18:00 – 20:00 Dinner time

20:00 – Observations with the Coude spectrograph. – (L. Iliev, D. Kolev)

24 October, Wednesday

11:30 – 13:00 Lunch time

13:00 - 14:00 Basic processing of CCD spectra by means IRAF (H. Markov)

14:00 – 16:00 Practical exercises on data processing – in groups (I.Iliev, H. Markov, I. Stateva)

16:00 – 16:30 Coffee-break

16:30 – 18:00 Practical exercises on data processing – in groups (I.Iliev, H. Markov, I. Stateva)

18:00 – 20:00 Dinner time

20:00 – Observations with the Coude spectrograph. – (L. Iliev, D. Kolev)

25 October, Thursday

11:30 – 13:00 Lunch time

13:00 – 14:00 Further processing of CCD spectra by means IRAF (I. Iliev)

14:00 – 16:00 Practical exercises on data processing – in groups (I. Iliev, H. Markov, I. Stateva)

16:00 – 16:30 Coffee-break

16:30 – 18:00 Practical exercises on data processing – in groups (I. Iliev, H. Markov, I. Stateva)

18:00 – 20:00 Dinner time

26 October, Friday

10:00 – 11:00 Low-dispersion spectroscopy: application to stellar populations in galaxies (G. Petrov)

11:00 – 12:00 Spectro-polarimetry and stellar magnetic fields (M. Auriere)

12:00 -14:00 Lunch time

14:00 – 16:00 Practical exercises on data processing. Preparation of the results for presentation – in groups. (I. Iliev, H. Markov, I. Stateva)

16:00 – 16:30 Coffee-break

16:30 – 18:00 Practical exercises on data processing. Preparation of the results for presentation – in groups (I. Iliev, H. Markov, I. Stateva)

20:00 – Official Dinner

27 October, Saturday

10:00 – 12:00 Presentation of the results. (SOC Commission)

12:00 – 12:30 Closing of the School

12:30 – 14:00 Lunch time

14:00 – Excursion

18:00 – 20:00 Dinner time

28 October, Sunday

Departure of the participants