CLOUDY WORKSHOP 2016

20-24 June 2016 Shandong University, Weihai

Welcome! We are glad you are here!!



Workshop Organizers:

Tinggui Wang (USTC)

Gary J. Ferland (University of Kentucky)

Lulu Fan (SDU, Weihai)

On the web

http://cloud9.pa.uky.edu/~gary/cloudy/CloudySummerSchool/2016_Shandong/agenda.html

Agenda for the workshop

- Includes copies of presentation
- Shandong workshop page
- <u>Participant</u> interests
- <u>ftp</u> site with our version of Cloudy, documentation, and examples

Stop me if I talk too fast!

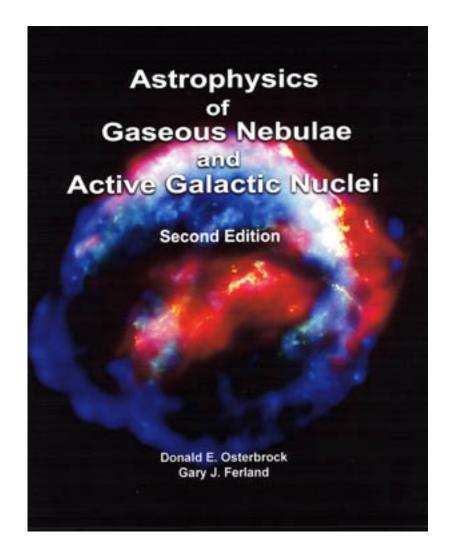


What?!? How are we supposed to understand THAT? They talk so fast!



Osterbrock's Astrophysics of Gaseous Nebulae

- There are three versions, this is the 3rd
- Any version is OK



Our preview version of Cloudy

- This is a preview version of the next major release
- On the class <u>ftp</u> site
- Follow the instructions on this page , or <u>this video</u>, to build the code on your laptop

– We want to run examples during class

- PDFs of the Quick Start Guide, and the first two volumes of Hazy, its documentation, are there too
 - Please don't print

Group projects

- Break up into small groups of like-minded participants
- Define a research problem you will do using Cloudy
- The project/group must have a memorable name (needed to get grants or telescope time)
- Give brief presentations of the projects at the end of each day
- Projects from <u>last workshop</u>

Some rules

• Rule 1: There are no rules

- Rule 2: Research is what you are doing when you don't know what you are doing
- Rule 3: You can switch groups if you like, or form a new group with other participants
- Rule 4: There <u>has</u> to be a summary of the group project by the end of the day

Proposed groups – AGN central

- DENNIS ALP <u>dalp@kth.se</u> KTH Royal Institute of Technology
- Madhurjya P Bora <u>mpbora@gauhati.ac.in</u> Gauhati University, India
- Shaoming Hu <u>husm@sdu.edu.cn</u> Shandong University at Weihai
- Qiguo Tian <u>tianqiguo@pric.org.cn</u> Polar Research Institute of China
- Maochun Wu <u>maochun@ustc.edu.cn</u> University of Science and Technology of China

Proposed groups – AGN Disk

- Xiang Ji <u>844251823@qq.com</u> National Astronomical Observatories
- Zhu Liu <u>liuzhu@nao.cas.cn</u> National Astronomical Observatories
- Xiheng Shi <u>shixiheng@pric.org.cn</u> Polar Research Institute of China
- Zihao Song <u>songzihao@nao.cas.cn</u> National Astronomical Observatories
- Feilu Wang <u>wfl@bao.ac.cn</u> National Astronomical Observatories
- Jianguo Wang <u>wangjg@ynao.ac.cn</u> Yunnan Astronomical Observatory

Proposed groups – AGN Winds

- Lin He <u>helin@bao.ac.cn</u> National Astronomical Observatories
- Xiang Pan <u>sidpx@mail.ustc.edu.cn</u> University of Science and Technology of China
- Zhenfeng Sheng <u>shenzf@mail.ustc.edu.cn</u> University of Science and Technology of China
- Xinyue Shi <u>xyshi724@mail.ustc.edu.cn</u> University of Science and Technology of China
- Fuguo Xie <u>fgxie@shao.ac.cn</u> Shanghai Astronomical Observatory

Proposed groups – compact binaries

- JITHESH VADAKKUMTHANI jithesh@ shao.ac.cn Shanghai Astronomical Observatory
- Chenwei Yang <u>cwya@ustc.edu.cn</u> University of Science and Technology of China
- Doosoo Yoon <u>yoon@shao.ac.cn</u> Shanghai Astronomical Observatory
- Xiaodi Yu <u>xdyu1990@icloud.com</u> Xiamen university
- JieYing Liu <u>ljy0807@ynao.ac.cn</u> Yunnan Astronomical Observatory
- Yanli Qiu <u>qiuyanli824@163.com</u> National Astronomical Observatories

Proposed groups – star formation

- Ram Kesh Yadav <u>ram kesh@narit.or.th</u> National Astronomical Research Institute of Thailand
- Ningyu Tang <u>astrotomny@gmail.com</u> National Astronomical Observatories
- Shen Wang <u>swang2013@bao.ac.cn</u> National Astronomical Observatories
- SHUINAI ZHANG <u>snzhang@pmo.ac.cn</u> Purple Mountain Observatory
- Feng-Yao Zhu <u>zhufya@mail.ustc.edu.cn</u> University of Science and Technology of China

Proposed groups – star formation & H II regions

- Duo Xu <u>xuduo117@nao.cas.cn</u> National Astronomical Observatories
- Ziwei Zhang <u>zzwwin@uga.edu</u> University of Georgia
- Wei Sun <u>sunwei@pmo.ac.cn</u> Purple Mountain Observatory
- Ting Xiao <u>xiaoting@shao.ac.cn</u> Shanghai Astronomical Observatory

Proposed groups – starbursts

- Tian-wen Cao <u>twcao@bao.ac.cn</u> National Astronomical Observatories
- Zhicheng He <u>zcho@mail.ustc.edu.cn</u> University of Science and Technology of China
- Anqi Li <u>anqili nju@126.com</u> Nanjing University
- Zeyuan Tang <u>tangzy@mail.ustc.edu.cn</u> University of Science and Technology of China
- Chen Wang <u>19820150150664@stu.xmu.edu.cn</u> Xiamen University