

# AtomDB Workshop 2015 Schedule

The AtomDB Workshop will take place on Monday and Tuesday, the 17<sup>th</sup> & 18<sup>th</sup> of August. The format will be an initial hour long introductory meeting on Monday morning, followed by breaking into smaller interest groups, then reconvening at 2pm on Tuesday afternoon for a series of contributed talks and a summary of progress in the various interest groups.

The proposed schedule is as follows (all in the Phillips Auditorium unless otherwise stated):

## Monday 17<sup>th</sup> August: Opening session

09:00 Randall Smith      Welcome  
09:20 Adam Foster      AtomDB progress in the past year  
09:50 Randall & Adam    How this workshop will work  
10:00 split into interest groups

**Monday evening: dinner at Fire & Ice, Harvard Sq (~7pm, time TBC)**

## Tuesday 18<sup>th</sup> August: Morning

There are no organized talks in the morning – work in the interest groups will recommence around 9am. There are two parallel meetings though for those who are interested. You should email the relevant contact if you wish to attend these

09:00-12:00: CIAO Workshop, B-106. Contact: Antonella Fruscione ([afruscione@cfa.harvard.edu](mailto:afruscione@cfa.harvard.edu))

09:30-12:00: ISIS Workshop, in the HEAD lounge. Contact: Lia Corrales ([lia@space.mit.edu](mailto:lia@space.mit.edu))

## Tuesday 18<sup>th</sup> August: Afternoon

14:00 Maurice Leutenegger      *Charge Exchange Experiments at the LLNL EBIT.*  
14:20 Renata Cumbee              *Modeling X-ray Emission from C-Al ions due to Charge Exchange with H, He, and H<sub>2</sub>.*  
14:40 Patrick Mullen              *Charge Exchange Induced X-ray Emission*  
15:00 Sascha Zeegers &      *Measuring and Modeling the Silicon K-edge in dust, and*  
      Elisa Costantini              *implementation in SPEX*  
15:30 Brendan McLaughlin      *Benchmarking X-ray Cross Sections for Astrophysical Applications*  
15:50 BREAK  
16:00 Reports of the interest groups (~10 minutes each)  
17:00 Discussion  
17:30 Close

## Interest Groups

So far, 29 people have re-confirmed that they are attending (we have 41 total registered attendees). I asked in a previous email for people to identify what they wished to discuss while they are here. From the replies, we have identified 5 broad interest groups:

1. Learning AtomDB
2. Charge Exchange
3. Dust and Absorption
4. Spectral Analysis Comparisons (with SPEX) and Requirements (for Astro-H)
5. Coding and interfaces

Our intention is to split into the interest groups and discuss what we need to work on during the day. All of these groups will be in the same room, so moving between the groups and cross-group discussion will be easy. As ever, it helps if people arrive with specific goals or questions in mind for the workshop.

## Travel

The meeting will take place in the Phillips Auditorium at the SAO, which is 60 Garden St, Cambridge, MA 02138. There are frequent buses from Harvard Square station on the red line, which is itself connected to the airport by the silver and red lines. More travel information is here: <https://www.cfa.harvard.edu/about/directions-cfa-60-garden-street>

## Meals

There are no meals or coffee breaks included in the price of the workshop. There is a small snack bar in the lobby of the building where coffee can be purchased. There are a range of nearby cafes and restaurants for lunch. We'll help out with suggestions for lunch etc.

## Dinner on Monday

We have arranged for those who indicated they are interested to go to Fire and Ice in Harvard Square. Currently this is 12 people. If others would like to come, please let me know. We will take a final tally on Monday morning.

## Contact

If you have any problems regarding the AtomDB workshop, please contact me (Adam Foster) at [afoster@cfa.harvard.edu](mailto:afoster@cfa.harvard.edu) or 617-496-3203 (office) or 857-998-8197 (cell).

# List of Participants

## Confirmed:

Adam Foster  
Brendan McLaughlin  
David Huenemoerder  
Delphine Porquet  
Edmund Hodges-Kluck  
Elisa Costantini  
Fabrizio Nicastro  
Francesca Senatore  
Hiroya Yamaguchi  
Igone Urdampilleta  
Jelle de Plaa  
Joern Wilms  
Junjie Mao  
Keith Arnaud  
Laura Delgado  
Lia Corrales  
Liyi Gu  
Matthew Miller  
Maurice Leutenegger  
Nancy Brickhouse  
Patrick Mullen  
Ralf Heilmann  
Randall Smith  
Renata Cumbee  
Sascha Zeegers  
Shuo Zhang  
Takayuki Yuasa  
Vinay Kashyap  
Young-Dae Jung

## Unconfirmed\*:

Dale Graessle  
Francesca Civano  
Javier Garcia  
John Raymond  
John ZuHone  
Marshall Bautz  
Neslihan Alan  
Norbert Schulz  
Paola Testa  
Paul Plucinsky  
Sevim Demir  
Walter Maksym

\* to be moved from “unconfirmed” to “confirmed”, just let me know that you are coming by email – [afoster@cfa.harvard.edu](mailto:afoster@cfa.harvard.edu)