X-RAY SPECTRAL FITTING WORKSHOP
7 – 11 February 2022

Astronomical Institute of the Czech Academy of Sciences

Note all times are in Central European Time and the hands-on exercises are available at:
peterboorman.com/tutorial_bxa

Monday 7th February 2022

– Day 1, X-ray spectral fitting introduction –

9:00 – 10:00	– ***Software installation questions & help*** (optional) – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
10:00 – 10:30	– ***Welcome + coffee*** – Presenter: **Peter Boorman** (ASU CAS)
10:30 – 12:00	– ***Introduction to X-ray spectral fitting & Xspec*** – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
12:00 – 14:00	– ***Lunch***
14:00 – 15:30	– ***Introduction to PyXspec*** – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
15:30 – 16:00	– ***Coffee break***
16:00 – 17:30	– ***Introduction to Sherpa*** – Presenter: **Peter Boorman** (ASU CAS)

– End of day 1 –

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Tuesday 8th February 2022

– Day 2, BXA introduction & hands-on exercises session 1 –

9:30 – 10:00	– ***Coffee, help & questions*** (optional) – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
10:00 – 11:00	– ***Introductory talk for Bayesian X-ray Analysis*** – Presenter: **Peter Boorman** (ASU CAS)
11:00 – 12:00	– ***Hands-on exercises, session 1:*** spectral fitting & model comparison – Led by: **Peter Boorman** (ASU CAS)
12:00 – 14:00	– ***Lunch***
14:00 – 14:30	– ***Invited science talk*** – Led by: **TBD**
14:30 – 15:00	– ***Invited science talk*** – Led by: **TBD**
15:00 – 15:30	– ***Coffee break***
15:30 – 17:30	– ***Hands-on exercises, session 1:*** spectral fitting & model comparison – Led by: **Peter Boorman** (ASU CAS)

– End of day 2 –

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Wednesday 9th February 2022

– Day 3, BXA hands-on session 1 –

9:30 – 10:00	– ***Coffee, help & questions*** (optional) – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
10:00 – 10:30	– ***Invited science talk*** – Led by: **TBD**
10:30 – 11:00	– ***Invited science talk*** – Led by: **TBD**
11:00 – 12:00	– ***Hands-on exercises, session 1:*** spectral fitting & model comparison – Led by: **Peter Boorman** (ASU CAS)
12:00 – 14:00	– ***Lunch***
14:00 – 14:30	– ***Invited science talk*** – Led by: **TBD**
14:30 – 15:00	– ***Invited science talk*** – Led by: **TBD**
15:00 – 15:30	– ***Coffee break***
15:30 – 17:30	– ***Hands-on exercises, session 1:*** spectral fitting & model comparison – Led by: **Peter Boorman** (ASU CAS)

– End of day 3 –

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Thursday 10th February 2022

– Day 4, BXA more advanced concepts –

9:30 – 10:00	– ***Coffee, help & questions*** (optional) – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
10:00 – 11:00	– ***More computationally-expensive analyses with BXA*** – Presenter: **Peter Boorman** (ASU CAS)
11:00 – 12:00	– ***Hands-on exercises, session 2:*** more advanced concepts – Led by: **Peter Boorman** (ASU CAS)
12:00 – 14:00	– ***Lunch***
14:00 – 14:30	– ***Invited science talk*** – Led by: **TBD**
14:30 – 15:00	– ***Invited science talk*** – Led by: **TBD**
15:00 – 15:30	– ***Coffee break***
15:30 – 17:30	– ***Hands-on exercises, session 2:*** more advanced concepts – Led by: **Peter Boorman** (ASU CAS)

– End of day 4 –

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Friday 11th February 2022

– Day 5, questions & continued more advanced concepts –

9:30 – 10:00	– ***Coffee, help & questions*** (optional) – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)
10:00 – 10:30	– ***Invited science talk*** – Led by: **TBD**
10:30 – 11:00	– ***Invited science talk*** – Led by: **TBD**
11:00 – 12:00	– ***Hands-on exercises, session 2:*** more advanced concepts – Led by: **Peter Boorman** (ASU CAS)
12:00 – 14:00	– ***Lunch***
14:00 – 14:30	– ***Invited science talk*** – Led by: **TBD**
14:30 – 15:00	– ***Invited science talk*** – Led by: **TBD**
15:00 – 15:30	– ***Coffee break***
15:30 – 17:00	– ***Hands-on exercises, session 2:*** more advanced concepts – Led by: **Peter Boorman** (ASU CAS)
17:00 – 17:30	– ***Questions & closing remarks*** – **Peter Boorman**, **Jiří Svoboda**, **Anastasia Yilmaz** (ASU CAS)

– End of day 5 –