

## X-RAY SPECTRAL FITTING WORKSHOP 7–11 February 2022

Note all times are in Central European Time and the hands-on exercises are available at:  $\frac{peterboorman.com/tutorial\_bxa}{peterboorman.com/tutorial\_bxa}$ 

## Monday 7th February 2022

Monday 7th February 2022		
	-Day1,X-rayspectralfittingintroduction-	
9:00-10:00	<ul> <li>Troubleshooting installation problems (optional)</li> <li>Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz (ASU CAS)</li> </ul>	
10:00 – 10:30	<ul> <li>Welcome + coffee</li> <li>Presenter: Peter Boorman (ASU CAS)</li> </ul>	
10:30 – 12:00	<ul> <li>Introduction to X-ray spectral fitting &amp; Xspec</li> <li>Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz (ASU CAS)</li> </ul>	
12:00 – 14:00	$-\ Lunch$	
14:00-15:30	<ul> <li>Introduction to PyXspec</li> <li>Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz (ASU CAS)</li> </ul>	
15:30-16:00	- Coffee break	
16:00 – 17:30	<ul> <li>Introduction to Sherpa</li> <li>Presenter: Peter Boorman (ASU CAS)</li> </ul>	

# Astronomical Institute of the Czech Academy of Sciences

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## Tuesday 8th February 2022

Tuesday 8th February 2022		
$-Day\ 2,\ BXA$ introduction & hands-on exercises session 1 $-$		
9:30-10:00	<ul> <li>Troubleshooting &amp; questions (optional)</li> <li>Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz (ASU CAS)</li> </ul>	
10:00 – 11:00	<ul> <li>Introductory talk for Bayesian X-ray Analysis</li> <li>Presenter: Peter Boorman (ASU CAS)</li> </ul>	
11:00 – 12:00	<ul> <li>Hands-on exercises, session 1: spectral fitting &amp; model comparison</li> <li>Led by: Peter Boorman (ASU CAS)</li> </ul>	
12:00 – 14:00	$-\ Lunch$	
14:00 – 15:30	- Science talks (invited and/or contributed)	
15:30 – 16:00	$ Coffee \ break$	
16:00 – 17:30	- Science talks? Continue working on exercises?	



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#### Wednesday 9th February 2022

	-Day 3, BXA hands-on session 1 -
9:30-10:00	<ul> <li>Troubleshooting &amp; questions (optional)</li> <li>Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz (ASU CAS)</li> </ul>
10:00 – 12:00	<ul> <li>Hands-on exercises, session 1: spectral fitting &amp; model comparison</li> <li>Led by: Peter Boorman (ASU CAS)</li> </ul>
12:00 – 14:00	$-\ Lunch$
14:00 – 15:30	$ Science \ talks$ (invited and/or contributed)
15:30 – 16:00	$ Coffee \ break$

Led by: Peter Boorman

(ASU CAS)

16:00-17:30

- Hands-on exercises, session 1: spectral fitting & model comparison



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### Thursday 10th February 2022

	-Day 4, BXA more advanced concepts -
9:30-10:00	<ul> <li>Troubleshooting &amp; questions (optional)</li> <li>Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz (ASU CAS)</li> </ul>
10:00 – 11:00	<ul> <li>More computationally-expensive analyses with BXA</li> <li>Presenter: Peter Boorman (ASU CAS)</li> </ul>
11:00 – 12:00	<ul> <li>Hands-on exercises, session 2: more advanced concepts</li> <li>Led by: Peter Boorman (ASU CAS)</li> </ul>
12:00 – 14:00	$-\ Lunch$
14:00 – 15:30	$ Science \ talks$ (invited and/or contributed)
15:30 – 16:00	- Coffee break
16:00 – 17:30	<ul> <li>Hands-on exercises, session 2: more advanced concepts</li> <li>Led by: Peter Boorman (ASU CAS)</li> </ul>



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#### Friday 11th February 2022

-Day 5, questions & continued more advanced concepts -

- Troubleshooting, questions & hands-on exercises (optional)

9:30 – 12:00 – Presenters: Peter Boorman, Jiří Svoboda, Anastasia Yilmaz

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12:00-14:00 - Lunch

14:00-15:30 - Science talks (invited and/or contributed)

15:30 - 16:00 - Coffee break

- Hands-on exercises, session 2: more advanced concepts (continued)

16:00 – 17:30 – Led by: **Peter Boorman** (ASU CAS)