

Sherwood collaboration meeting

Nottingham, 18-19 May 2026

Monday May 18 (B17, Physics Building)

09.00: Arrive and set-up.

09.30 – 10.00 Prakash Gaikwad (IIT Indore): Short Mean Free Path (Online)

10.00 – 10.30 Swanith Upadhye (TIFR Mumbai): The kSZ signal from reionization (Online)

10.30 – 11.00 Olga Garcia Gallego (Cambridge): Constraining cosmology with the Lyman-alpha forest

11.00 – 11.30 Coffee

11.30 – 12.00 Tomáš Šoltinský (Trieste): Forestry during and after reionization

12.00 – 12.30 Soumak Maitra (TIFR Mumbai): Reionization tomography with Lyman-alpha emitters (Online)

12.30 – 13.00 Fiona Sawyer (Nottingham): IGM temperature during reionisation with machine learning

13.00 – 14.00 Lunch (sandwiches, fruit and tea/coffee, with plant-based option available)

14.00 – 14.30 Jahaan Thakkar (TIFR Mumbai): Towards a consistent reionization inference from LAEs (Online)

14.30 – 15.00 Vid Irsic (Hertfordshire): Dark matter, isocurvature, magnetic fields + cosmology summary & roadmap

15.00 – 15.30 Jamie Bolton (Nottingham): Modelling ionising photon sinks + dp145 summary

15.30 - 16.00 Tea

16.00 - 17.00 All: Collaboration planning discussion.

Dinner ~ 19.00

Tuesday May 19 (B17, Physics Building)

08.45: Arrive and set-up

09.00 – 09.30 Sindhu Satyavolu (IFAE Barcelona): Measuring the 1D and 3D small scale correlations of the Ly α forest, during and post-reionization

09.30 – 10.00 Mark Ma (Nottingham): Constraining the silicon abundance in the IGM using the Ly α – Si III correlation

10.00 – 10.30 Luke Conaboy (Nottingham): Connecting high-redshift galaxies and the intergalactic medium

10.30 – 11.00 Coffee

11.00 - 11.30 All: summary of planned actions and wrap-up.

Attendees

Jamie Bolton, Luke Conaboy, Fiona Sawyer, Mark Ma, Martin Haehnelt, Tomáš Šoltinský, Laura Keating, Vid Irsic, Olga Garcia Gallego, Sindhu Satyavolu, Matteo Viel (online), Prakash Gaikwad (online), Soumak Maitra (online), Jahaan Thakkar (online), Girish Kulkarni (online), Swanith Upadhye (online)