

Session Program

7-11 Jul 2025



National Astronomy Meeting (NAM) 2025

Basis Function Expansions in Galactic Dynamics and Evolution

Teaching and Learning Centre (TLC)
Durham University South Road Durham DH1 3LS

Monday 7 July

09:00

Basis Function Expansions in Galactic Dynamics and Evolution

Session | **Location:** OCW017, Ogden Centre West

09:00–09:05 **Prep time**

09:05–09:19

Basis Function Expansions: Quantifying The Things That DREAMS Are Made Of

09:19–09:33

Probing the role of chaos in galaxy evolution with PECCARY and basis function expansions

Speaker

Soley Hyman

09:33–09:47

Basis function theory in galactic dynamics and beyond

Speaker

Dr Edward Lilley

09:47–10:01

Time-dependent linear response theory via the matrix method

10:01–10:15

Dynamics of the perturbed outer Milky Way halo with basis function expansions

Speaker

Rashid Yaaqib

10:15–10:20

The effect of the MW-LMC interaction on stellar stream populations

Speaker

Richard Brooks

10:20–10:25

The distortion of the Tucana IV by the recent close passage of the Large Magellanic Cloud

Speaker

Aliaksandra Senkevich

10:30