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Monday 15th April

Aarynn Carter

The transmission spectrum of WASP-6b: a detection of H₂O and the effect of stellar activity

Alexander Chaushev

Detecting Exoplanets with Convolutional Neural Networks: Application to the Next Generation Transit Survey

Angelos Tsiaras

The legacy of HST/WFC3: a prototype for future population studies of exoplanets

Annelies Mortier

Filling the mass-radius diagram with HARPS-N

Antranik A. Sefilian

a) Trans-Neptunian Disc: An Alternative to "Planet Nine"

b) Formation of Gaps in Debris Discs

Ares Osborn

The Planet-Metallicity Correlation for Hot Jupiters

Benjamin Cooke

TESS monotransits: predicted yield and early results

Christopher Manser

Planetesimals in close orbit around white dwarfs

Craig Duguid

Tidal dissipation dependence on orbital frequency

Daniel Cummins

Spiral Arms in the HD 142527 Outer Disc

Edward Bryant

Ultra-High Precision Photometry of Bright Exoplanet Hosts With NGTS

Emma Foxell

The NITES M Dwarf Exoplanet Survey

Eva-Maria Ahrer

Comprehensive Modelling of Radial Velocity Data with PolyChord

Florian Lienhard

Global analysis of the TRAPPIST Ultra-Cool Dwarf survey

Francesco Lovascio

Implementations of one fluid dust-gas models; the limitations and benefits

George King

The XUV irradiation and likely atmospheric escape of the super-Earth Pi Men c

Hugh Osborn

Rapid Classification of TESS Planet Candidates with Convolutional Neural Networks

Jack Humphries

Core feedback disruption of gravitational instability planets: explaining the ALMA dust gaps

James Doherty

Chromospheric activity of close-in transiting planet hosts: probing mass-loss and star-planet interactions

James Rogers

A Bayesian Hierarchical Model for Planetary Properties at Formation

Jean Costes

Investigation in the long-term variations of the activity of the stars

Jeff Jennings

When and how the TTV mass-eccentricity degeneracy can bias recovered planet masses

John Harrison

Polluted White Dwarfs: insights regarding the origin and geology of exo-planetary material

John Young

INT, Robot: Implementing Service Mode Observing for HARPS3

Joshua Briegal

Extracting Stellar Variability with NGTS and the Generalised Autocorrelation Function

Kai Hou (Gordon) Yip

Integrating light-curve and atmospheric modelling of transiting exoplanets

Katy Chubb (& Sergey Yurchenko, Jonathan Tennyson, Ingo Waldmann)

Acetylene and other exoplanet molecules

Tuesday 16th April

Jake Taylor

The implications of an inhomogeneous horizontal temperature structure in the analysis of JWST observations

Kristine Lam

Two mini-Neptunes in a near 3:2 mean motion resonance and TTV measurements from K2

Luis Welbanks & Nikku Madhusudhan

On degeneracies in retrievals of exoplanetary transmission spectra

Luke Jonathan Johnson

Simulating magnetically driven stellar variability on faculae-dominated stars

Maire Gorman

a) ZeemanMol: Calculation of Zeeman effect spectra for diatomic molecules using ExoMol line lists

b) An updated ExoMol line list for SH for the A--X transition

Matteo Brogi

Retrieving Temperature and Abundances of Exoplanet Atmospheres with High-resolution Cross-correlation Spectroscopy

Matthew Hooton

Storms or systematics? The search for atmospheric variability in hot Jupiters

Mark Phillips

Atmosphere and Evolutionary models for Brown Dwarfs and Giant Exoplanets

Maximilian N. Guenther

Early Science from the Transiting Exoplanet Survey Satellite (TESS)

Mihkel Kama

An observational foundation for disk-planet chemical connections

Nora Eisner

TESS: the Search for planets using Citizen Science

Norbert Zicher

Radial velocity analysis of AU Microscopii

Patrick Cronin-Coltsmann

ALMA Observations of the Fomalhaut C Debris Disk its Insights on the History of the Fomalhaut System

Paul Hallam

*Constraining the masses of planets in protoplanetary discs from the presence or absence of vortices
- Comparison with ALMA observations*

Quentin Changeat

Complex chemical profiles in the JWST and ARIEL era

Rachel Drummond

The ARIEL mission

Richard Hall

Measuring the Effective Pixel Positions of the HARPS3 CCD

Ryan MacDonald et al.

a) A Metal-Rich Exo-Neptune Atmosphere

b) The 3D atmosphere of the ultra-hot Jupiter HAT-P-7b: clouds, chemistry, and spectral predictions

Sahl Rowther

Survivability of Giant Planets in Self-gravitating Discs with a Variable Cooling Rate

Samantha Thompson

HARPS3 and the Terra Hunting Experiment

Samuel Gill
GPU-accelerated fitting of NGTS light-curves

Sanson Poon
Formation of Kepler compact multi-systems by dynamical instabilities and giant impacts

Simon Ebo
MOSES: MHT Optical Star and Exoplanet Survey

Sophie Dubber
Spectra of Brown Dwarfs from the W-band Survey

Stephanie Merritt
The enigmatic absence of metal oxides in WASP-121b

Timmy Delage
Atmospheric escape from disintegrating ultra-short period rocky planets

Vedad Hodzic
WASP-128b: a transiting brown dwarf in the dynamical-tide regime