Programme

Monday, 25. April

18:00 – 20:00: welcome reception (OAC)

20:00 : dinner

Tuesday, 26. April

10:00 – 10:10 : welcome by the General Director of the Orthodox Academy of Crete (OAC), Dr. Konstantinos V. Zormpas
10:10 – 10:30 : chairs: welcome & motivation and main questions behind this meeting

10:30 – 11:10 : **Paul Crowther**: Lyman continuum production from single stars, binaries and stellar populations

11:10 – 11:40 : coffee break

11:40 – 12:20 : **Sally Oey**: The Production and Fate of Lyman Continuum Photons from Massive Stars in the Local Universe

12:20 – 12:45 : **Grazyna Stasińska**: The global budget of ionizing photons escaping from local galaxies
12:45 – 13:00 : **Oleg Egorov**: Stellar feedback and Lyman radiation escape from HII regions by observations of nearby galaxies

13:30 : lunch

16:00 – 16:40 : **Anne Verhamme**: Using Lyman-α to detect Lyman continuum emitters

16:40 – 17:05 : **Max Gronke**: Bridging the Gap Between Clumpy Outflows and Shell Models: Towards an Improved Understanding of Lya Radiative Transfer

17:05 – 17:35 : coffee break

17:35 – 18:00 : **Ryan Trainor**: Production and Transmission of UV Photons in L∼0.1L* LAEs at z ∼ 2-3
18:00 – 18:25 : **J.M.Vílchez**: On the ionizing photons budget of metal-poor dwarf galaxies: the case of IZw18

18:25 – 19:05 : **Dominik Bomans**: Lyman photons on the run: diffuse ionized galaxy halos

20:00 : dinner

Wednesday, 27. April

5:30 – 8:30: (eventually) *boat trip to the archeological site of Diktynna, Cape Spatha*

09:20 – 10:00 : **Dawn Erb**: Lya Profiles and Lyman Continuum Emission in Star-Forming Galaxies

10:00 – 10:25 : **Matthew Hayes**: The Lyman-α Reference Sample
10:25 – 10:40 : **Maria Camila Remolina-Gutiérrez**: More rotation and less outflows can explain Lyman-α observed line features
10:40 – 11:05 : **Grecco Oyarzun**: How Lyman-α Emission Depends On Galaxy Stellar Mass

11:05 - 11:30 : coffee break

11:30 – 11:55 : **Edmund Christian Herenz**: Observational constraints on the intrinsic Lyman-α radiation field of the LARS galaxies
11:55 – 12:20 : **Casiana Muñoz-Tuñon**: SHARDS survey for detecting Lyman-α galaxies
12:20 – 12:35 : **Ana Afonso**: Morphological properties of the Lyα emitting galaxies at z>2.23
12:35 – 13:00: **Josephine Voctoria Kerutt**: Lyman-α emitter demographics in MUSE-Wide
13:00 – 13:25: **Uli Klein**: A revision of the synchrotron spectra of galaxies. Consequences for the thermal emission and Lyman continuum output

13:40 : lunch

15:00 – 15:25 : **Daniel Schaerer**: Lyman continuum leakage from galaxies at low redshift and comparison of their properties with high-z star-forming galaxies
15:25 – 15:50 : **Ricardo Amorin**: What physical properties of star-forming galaxies correlate with Lyman photon escape? Clues from Green Pea galaxies at low and high redshift
15:50 – 16:15 : **Alaina Henry**: Lyman- α Emission from Green Peas: The Role of Circumgalactic Gas Density, Covering, and Kinematics
16:15 – 16:40 : **Jorryt Matthee**: The production and escape of Lyman-α and Lyman-continuum photons and their dependence on galaxy properties at z∼2
16:40 – 17:05 : **Nils Bergvall**: Detection of Lyman continuum escape at z=0.3 using a novel search method

17:05 – 17:30 : coffee break

17:30 – 17:55 : **Jeffrey Cooke**: Lyman continuum galaxies: Direct Lyman continuum flux measurements and mechanisms behind the escape
17:55 – 18:20 : **Andrea Grazian**: The Lyman continuum escape fraction of z∼3 star forming galaxies with LBC/LBT: the COSMOS and CANDELS galaxy labyrinths
18:20 – 18:45 : **Eros Vanzella**: Hubble imaging of the ionizing radiation and ultradeep spectroscopy of faint L∼0.02L* SF galaxies
18:45 – 19:10 : **Genoveva Micheva**: Lyman continuum leaking AGN in the SSA22 field
19:10 – 19:35 : **Claudia Scarlata**: On the escape of LyC radiation -- Do we have a problem?

20:00 : conference dinner & concert

Thursday, 28. April

09:30 – 09:55 : **David Sobral**: Exploring the end of the dark ages with the widest Lyman-α surveys

09:55 – 10:20 : **Sérgio Santos**: A wide z∼5.7 narrow band survey to probe the bright end of the Lyman-α luminosity function at the end of reionisation

10:20 – 10:35 : **Silvio Lorenzoni**: Lyman break galaxies in the reionization era

10:35 – 11:00 : **Göran Östlin** : The paths of ionizing photons through local starbursts

11:00 – 11:15 : **Sara Pérez Sánchez**: The largest Lyman-α survey at z∼5: the most luminous Lyman-α emitters after re-ionisation

11:15 – 11:40 : coffee break

11:40 – 12:20 : **Jeff Kenney**: Ram Pressure Stripping of HII Regions in Cluster Galaxies

12:20 – 12:45 : **Jose Miguel Rodriguez-Espinosa**: A Rich proto-cluster of Lyman- α sources at z=6.5

12:45 – 13:00 : **Francesco Valentino**: Lyman-α photons and the Large Scale Structure: a 100-kpc nebula in the core of an X-ray cluster at z=2

13:30 : lunch

15:00 – 15:30 : Presentation of the OAC by Emanuela Larentzakis

16:00 : Bus excursion to Chania; dinner (at ∼8 pm) in the old Venetian Harbor; return to Kolymbari at ∼11 pm

Friday, 29. April

09:00 – 09:40 : **Sebastiano Cantalupo**: Illuminating the Cosmic Web with Lyman escaping photons from galaxies and quasars

09:40 – 10:05 : **Christian Binggeli**: Constraining the escape fraction of Lyman continuum photons from reionization epoch galaxies using JWST

10:05 – 10:45 : **Claudio Dalla Vecchia**: The Lyman photon escape fraction from radiation-hydrodynamic cosmological simulations

10:45 – 11:15 : coffee break

11:15 – 11:40 : **Polychronis Papaderos**: LINERS and Lyman continuum photon escape

11:40 – 12:05 : **Leandro Cardoso**: Spectral synthesis studies of accretion-powered nuclear activity in galaxies in the presence of extensive Lyman continuum photon escape

12:05 – 12:20 : **Iris Breda**: Lyman continuum photon escape in galaxy pseudo-bulges

12:20 – 12:45 : **Eleni Vardoulaki**: ICM heating and Lyman continuum photon escape from FRI/FRII type radio sources in the COSMOS field

13:00 : lunch

14:00 – 14:40 : **Martin Roth**: New opportunities for ground-based observations of ionized gas in the next decade and beyond

14:40 – 15:05 : **Jean Michel Gomes**: Spectral synthesis studies of Lyman photon leaking galaxies

15:05 – 16:00 : Discussion

16:00 – 16:30 : coffee break

16:30 – 17:00 : **Matthew Lehnert**: conference summary