

+ Wednesday

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09:30 am – 10:30 am : Welcome Coffee

Chair: Matthias Gonzalez

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10:30 am – 11:00 am : Romain Teyssier

« Mini-ramses: towards a major update of the RAMSES code? »

11:00 am – 11:20 am : Benoît Commerçon

« Outflows and disk formation in massive dense core collapse »

11:20 am – 11:40 am : Patrick Hennebelle

« Zoom simulations for star formation with RAMSES »

11:40 am – 12:00 pm : Sam Geen

« Radiation feedback in star formation simulations »

12:00 pm – 12:20 pm : Taysun Kimm

« Radiation hydrodynamic simulations of mini halos »

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12:20 am – 02:00 pm : Lunch

Chair: Frédéric Bournaud

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02:00 pm – 02:20 pm : Maxime Trebitsch

« Escape of ionising photons is regulated by SN feedback in small galaxies »

02:20 pm – 02:40 pm : Harley Katz

« The Variable Speed of Light Approximation and H2 at High Redshift »

02:40 pm – 03:00 pm : Valentin Perret

« Idealised initial conditions & new star formation routine »

03:00 pm – 03:20 pm : Thorsten Tepper Garcia

« Building self-consistent isolated galaxy models with RAMSES »

03:20 pm – 03:40 pm : Francesca Fragkoudi

« Disentangling the dark and baryonic mass contributions in spiral galaxies using hydrodynamic simulations »

03:40 pm – 04:00 pm : Nicolas Guillard

« Formation of nuclear star cluster »

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04:00 am – 04:30 pm : Coffee Break

Chair: Patrick Hennebelle

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04:30 pm – 04:50 pm : Florent Renaud

« The star cluster factory: co-evolution of clusters and their hosts in cosmological context »

04:50 pm – 05:10 pm : Jeremy Fensch

« The low efficiency of star formation enhancement in high-redshift major merger »

05:10 pm – 05:30 pm : Richard Sarmento

« Following the Cosmic Evolution of Pristine Gas I: Implications for Milky Way Halo Stars »

05:30 pm – 05:50 pm : Julien Devriendt

« Star formation: how much should we care about its subgrid implementation? »

05:50 pm – 06:10 pm : Joakim Rosdahl

« Sub-grid SN feedback in isolated disks »

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06:10 pm+ : Wine & Cheese

+ Thursday

Chair: Matt Lehnert

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09:00 am – 09:20 am : Michael Rieder

« MHD turbulence and a galactic dynamo in dwarf simulations »

09:20 am – 09:40 am : Sergio Martin

« Magnetic fields in galaxies: the small-scale dynamo in a cosmological context »

09:40 am – 10:00 am : Marta Volonteri

« BH formation and early growth »

10:00 am – 10:20 am : Ricarda Beckmann

« From seed to supermassive: growing black holes at high redshift »

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10:20 am – 10:50 am : Coffee break

Chair: Oliver Hahn

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10:50 am – 11:10 am : Pawel Biernacki

« Supernova and AGN outflows in an isolated cooling halo: dynamics and feedback »

11:10 am – 11:30 am : Rebekka Bieri

« Shine bright like a quasar: Feedback from radiatively-driven AGN Winds »

11:30 am – 11:50 am : Jongwon Park

« Effect of AGN Feedback on Star Formation of Merging Disk Galaxies »

11:50 am – 12:10 pm : Peter Mitchell

« The physical characteristics of circumgalactic gas around simulated high-redshift galaxies »

12:10 pm – 12:30 pm : Mark Richardson

« Studying the CGM of Galaxies »

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12:30 pm – 02:00 pm : Lunch

Chair: Julien Devriendt

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02:00 pm – 02:20 pm : Santi Roca-Fabrega

« Zoom-in cosmological simulations of cold flows-hot halo gas interaction: refinement focused on cold gas filaments »

02:25 pm – 02:40 pm : Jérémy Blaizot

« Monte Carlo Lyman-alpha »

02:40 pm – 03:00 pm : Tommaso Grassi

« KROME and RAMSES: when microphysics matters »

03:00 pm – 03:20 pm : Rafael Ruggiero

« Ram pressure simulations using RAMSES »

03:20 pm – 03:40 pm : Sukyoung Yi

« Science projects using Ramses at Yonsei 2016 »

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03:40 am – 04:10 pm : Coffee Break

Chair: Martin Haehnelt

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04:10 pm – 04:30 pm : Sugata Kaviraj

« The Horizon-AGN simulation - evolution of galaxy properties over cosmic time »

04:30 pm – 04:50 pm : Emma Lofthouse

« Major mergers are not significant drivers of star formation or morphological transformation around the epoch of peak cosmic star formation »

04:50 pm – 05:10 pm : Garreth Martin

« The progenitors of present-day early type galaxies »

05:10 pm – 05:30 pm : Hoseung Choi

« The origin of galaxy spin from a cosmological hydrodynamic simulation »

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+ Friday

Chair: Yann Rasera

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09:00 am – 09:20 am : Fabrice Roy

« pFoF: a highly scalable halo-finder for large cosmological data sets »

09:20 am – 09:40 am : Oliver Hahn

« MUSIC 2.0 & Rhapsody-G »

09:40 am – 10:00 am : Jenny Sorce

« How did the Virgo cluster form? »

10:00 am – 10:20 am : Céline Guin

« Gravitational lensing through numerical simulations »

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10:20 am – 10:50 am : Coffee break

Chair: Yann Rasera

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10:50 am – 11:10 am : Jonathan Chardin

« Large scale opacity fluctuations in the Ly $\alpha$  forest: evidence for QSOs dominating the ionising UV background at  $z \sim 5.5 - 6$ ? »

11:10 am – 11:30 am : Clotilde Laigle

« Surveying the cosmic web: predictions for multi-scale tomography of the IGM with the Horizon-AGN lightcone »

11:30 am – 11:50 am : Owen Snaith

« The effect of resolution on the cosmological gas power spectrum in RAMSES »

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