

Galactic

Extragalactic

Monday 8th January

MOONS RECEPTION Desk - installed at the C6 building

09:00 (Room: room 6.1.27)

Updated instrument performance (during testing) for Galactic survey science

- Image quality (LSF)
- Wavelength coverage and calibration
- Resolving power
- Sampling

10:00 - 11:00 Science and Technical WG splinters

Slot 1: EWG-2 Passive/continuum science splinter (Room: 6.2.43)

Slot 2: *LSS+Environment+Clusters* (Room: 6.2.56; zoom:

<https://us06web.zoom.us/j/9326036909?pwd=bTVvVFQvdIUzNkNtTExQTG0vMUhYQT09&omn=89213688535>)

11:00 - 12:00 Science and Technical WG splinters

Slot 1: *EWG-1 splinter* (Room: 6.2.52; zoom: <https://meet.google.com/cdk-ynbg-otd>)

Slot 2: *LSS+Environment+Clusters* (Room: 6.2.56 zoom:

<https://us06web.zoom.us/j/9326036909?pwd=bTVvVFQvdIUzNkNtTExQTG0vMUhYQT09&omn=89213688535>)

12:00 - Lunch

13:30 Plenary 1 (Room: 6.2.56 / Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZIVXdz09>)

- Welcome and General overview (5 min) [Michele]
- Update on the instrument status (35+5 min) [Oscar/Alex]
- Survey Data Flow (20+10 min) [Myriam, Paolo, David]
- Data Reduction Pipeline (20+10 min) [Frederic]
- MOONLIGHT (20+10 min) [Bianca, Adriana, Paolo]

16:00 Coffee break

16:30 Splinter 1 (Room: room 6.1.27 / Zoom: TBC)

Updated instrument performance (during testing) for Galactic survey science

(continued)

- Positioner/allocation performance
- Q&A

Splinter 1 (Room: 6.2.56 /

Zoom:

<https://zoom.us/j/95827664037?pwd=Y2NUdmRpN111MU5tSHV2Q2c4Z1hNQOT09>)

AGN (Brief Presentation and Discussion on Catalogues, improvements and priorities) (Early vs late science vs submitted)

18:00 - End of day 1

Tuesday 9th January

09:00 Splinter 2 (Room: room 6.1.27 / Zoom: TBC)

- General updates on timelines and tasks
- Updates on Science Analysis pipeline / simulations

Splinter 2 (Room: 6.2.56 /

Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

Overview of the possible strategy plans (**Michele, Roberto, Adriana Gargiulo, Paolo Franzetti**)

Discussion with and between WGs in terms of requirements, needs, etc... including scientific coordination plans [informal]

10:30 - Coffee Break

11:00 Splinter 3 (Room: room 6.1.27 / Zoom: TBC)

- Updates on Science Analysis pipeline / simulations (*continued*)
- Planning for the year activities in data flow / tools

Splinter 3 (Room: 6.2.56 /

Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

- Joint MOONRISE: Discussion between WGs in terms of requirements, needs, etc... including scientific coordination plans [informal] (*continued*)

12:30 - Lunch

14:00 Splinter 4 (Room: room 6.1.27 / Zoom: TBC)

- Survey planning: footprint for year one
- Discussion on Internal priorities by different sub-surveys

Splinter 4 (Room: 6.2.56 /

Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

- (If needed) continued discussion on observing strategies and requirements
- **Discussion on Catalogues:** detailing the final format and content, with reference stars, AGN, etc... ingestion of JWST, Euclid (and LSST?) data; how is the information from the parent catalogues preserved

(Chairs: **Ciro Pappalardo, Bianca Garilli, Derek McLeod, Ross McLure**)

15:30 - Coffee Break

16:00 Splinter 5 (Room: room 6.1.27 / Zoom: TBC)

- Discussion on Internal priorities by different sub-surveys (*continued*)
- Updated Publication Policy

Splinter 5 (Room: 6.2.56 /

Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

- **Euclid:** which fields and in which sequence; depth, etc... when data will be available; if and how to coordinate with the Euclid consortium?

(Chairs: **Sophie Maurogordato, Margherita Talia, Manuela Magliocchetti**)

- **JWST:** fields, availability of data, targets of interests for MOONRISE, etc..

(Chairs: **Adam Carnall, Fergus Cullen, Sandro Tacchella**)

17:30 - End of Day 2

19:30 - Meeting Dinner

Wednesday 10th January

09:00 Splinter 6 (Room: 6.1.27 / Zoom: TBC)

- Observing Preparation (demonstration and hands-on preparation of OBs using P2UI with real catalogues)

Splinter 6 (Room: 6.2.56 /

Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

- **Discussion on Data Flow**, specifically for MOONRISE: detailing the whole process, who does what and how -> getting concrete on actions plan (from long range planning of the observing runs, to catalogues ingestion in MOONLIGHT, to data processing to delivery of science ready products (which data products [1D, 2D, individual/stacks], sky extension, errors extensions, bootstrapping estimation), including sky subtractions; provide exposure map) + repository + who goes observing (+training of junior)

(Chairs: Paolo Franzetti, David Murphy, Miriam Rodriguez, Nic Walton)

- Discussion on **extraction of parameters**: redshifts, line fluxes, stellar masses & SFR (more)... + repository

(Chairs: Adam Carnall, Lucia Pozzetti, Vivienne Wild)

10:30 - Coffee Break

11:00 Splinter 7 (Room: 6.1.27 / Zoom: TBC)

- Observing Preparation (demonstration and hands-on preparation of OBs using P2UI with real catalogues) (*continued*)
- AOB

Splinter 7 (Room: 6.2.56 /

Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

- Discussion on **Blind survey**: what's the plan for that and how to connect with the broader MOONRISE goals
- Discussion on **publication policy, abstracts**, allocation of leaderships process

(Chair: Hector Flores)

- Wrap up and action plans

(Chair: Michele, Roberto)

12:30 - Lunch

13:30 Plenary 2 (Room: 6.2.56 / Zoom: <https://cam-ac-uk.zoom.us/j/81644829748?pwd=VndpcFZBZEU0VW81R0VhRUhUZlVXdz09>)

- Overview of plans/goals/updates of Galactic Survey
- Overview of plans/goals/updates for MOONRISE
- Open discussion / AOB

15:30 End of meeting

