

Programme of the SPICA GalEvol Virtual meeting

The first day will be dedicated to the presentation of the various sections of the WB: 10 min. presentation, followed by 20 min. discussion. Later in the afternoon we will have a discussion on the best figures to be implemented. The second day will be dedicated to splinters on each topic, where the various groups will actually work together on the text. The third day the reports from each splinter will be given and discussed. The last afternoon we have a special session dedicated to the updates on the white papers in preparation.

First Day: Monday 5th October 2020

8:45 meet with a **zoom** connection [Join Zoom Meeting](#)

<https://inaf-it.zoom.us/j/89038861530?pwd=eFpY20RmtmbjQzWWVlTlEzSHA2UT09>

9:00 – 9:10: **Introduction to the Galaxy Evolution SPICA science cases**

The draft GalEvol YB chapter: structure and key aspects

9:10 – 9:20

presentation and discussion on the introduction:

Luigi – 2.1.1 Tracking the drivers for galaxy evolution over cosmic time

9:20 – 9:40 – discussion

9:40 – 9:50 **Alberto/Giulia – 2.1.2 Gaining the full 3D perspective on star formation and black hole accretion**

9:20 – 9:40 – discussion

9:40 – 9:50 **Francesca/Cristian – 2.1.3 Establishing the role of obscured BH-growth in the evolution of galaxies**

9:50 – 10:10 – discussion

10:10 – 10:20 **virtual coffee**

10:20 – 10:30 **Juan – 2.1.5 Tracing the build-up of Heavy Elements over the last 10 Gyr**

10:30 – 10:50 – discussion

10:50 – 11:00 **Simona/Eiichi – 2.1.6 Following dust evolution from re-ionization to the present day Universe**

11:30 end of first session

4:00 – 5:10 **Jackie?/Tanio? – 2.1.4 Characterising the feedback mechanisms that quench Star Formation**

5:10 – 5:30 – discussion

5:30 – 5:40 break

5:40 – 6:10 **Discussion on the figures**

6:10 – 6:30 **Wrap up**

6:30 end of second session

Second Day: Tuesday 6th October 2020

9:00 – 11:30 **Splinters on various WP:**

topic 1: 3D perspective

topic 2: feedback

topic 3: obscured BH-growth

topic 4: metallicity evolution

topic 5: dust evolution from re-ionization – high-z studies

11:30 end of third session

4:00 – 5:00 **Continued splinters on various WP:**

topic 1: 3D perspective

topic 2: feedback

topic 3: obscured BH-growth

topic 4: metallicity evolution

topic 5: dust evolution from re-ionization – high-z studies

6:30 end of fourth session

Third Day: Wednesday 7th October 2020

9:00 – 10:15 **Reports from topics 1, 2,3**

10:15 – 10:25 break

10:25 – 11: 30 **Reports from topics 4, 5**

11:30 end of fifth session

4:00 – 5:00 **Final Discussion: list of actions of written contributions of the YB**

5:00 – 5:10 break

5:10 – 6:30 **White papers presentations: updates following the new telescope configuration and the lack of CAM34**

- Luigi Branchiesi (PhD student in Bologna Univ.): SPICA/Athena synergies
- Laura Bisigello (Postdoc at OAS-INAF, Bologna): mock catalog to predict SPICA detections
- Giulia Rodighiero (TBD): clustering studies
- Laure Ciesla: How to make the most of SPICA data, with statistics and machine learning techniques
- Juan Antonio Fernández-Ontiveros: new method to measure metallicities through the IR lines
- Simona Gallerani: by reviewing the work done in her team at SNS for SPICA predictions and simulations

6:30 end of sixth and final session

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