

Breakout Rooms for SMWLV-TVS Cadence Hack Day II, Thurs March 4th, 2021

Instructions: Please use the table below to propose a topic for a breakout room. There will be some time set aside after each plenary to give you time to claim a room. Based on the sign-in sheet, suggested topics have been filled in, but please edit the table below as you see fit.

Contents: | [Morning session](#) | [Afternoon session](#) | [FoM specifications in progress](#) | [Map](#)

Meeting link (Firefox or Google preferred): https://gather.town/app/D3hOuFyQcliaq2eP/SMWLV_TV_S_Hack
Password: smwlvtsv

[LSST Community hack day 2 homepage](#) | [Signup sheet](#) | [Schedule](#) | [Guide to Gathertown](#) | [Welcome slides](#)

Notes: During the session, you should be able to move between rooms at will. That said, if you do participate in a breakout room, it will be helpful if you can write your name in the “participants” column just so that we know who contributed work. There’s nothing wrong with working in a breakout room by yourself (though please do claim a room or area in that case so that others know what you will be working on, should they wish to assist you).

The final column of each table provides space for you to paste any links that will help your work. A blank specification document is included in each row should it be useful to your group. Here is an example specification: [Example_cadenceFoMSpecification_FoM_saturation_depth](#) .

“Morning” session (10:00am - 12:00 Noon EST)

Morning session: Breakout room	Topic, Proposer	Participants (can fill in during the session)	Figure of merit specification, or other links (enclosing directory for specifications)
“TVS”	Fast transient metrics	Igor Andreoni Nina Hernitschek	cadenceFoMSpecification_02
“SMWLV”	Galactic Plane coverage	Sara Bonito Laura Venuti Loredana Prisinzano	GP_coverage_for_star_forming_regions young_stars_variability_carina
“Solar System”	Crowding metrics	Leo Girardi Knut Olsen Massimo Dall’Ora Alessandro Mazzi	cadenceFoMSpecification_04 Here’s Olsen, Blum & Rigaut 2003: https://ui.adsabs.harvard.edu/abs/2003AJ....126..452O/abstract
“Informatics &	Astrometry		

Breakout Rooms for SMWLV-TVS Cadence Hack Day II, Thurs March 4th, 2021

Statistics”			cadenceFoMSpecification_05
“Strong Lensing”	Galactic Bulge		cadenceFoMSpecification_06
“Galaxies”	Magellanic Clouds	Knut Olsen	cadenceFoMSpecification_MagClouds_Variability Here is Xiaolong Li’s spatial selector: https://github.com/xiaolng/healpix_Selector/blob/master/spatial_selection.ipynb
“AGN”	Short exposures / saturation metric		cadenceFoMSpecification_08
“DESC”			cadenceFoMSpecification_09

“Afternoon” session (1:00 - 3:00 pm EST)

Notes: a draft topic list has been entered based on the sign-up sheet responses. Please feel free to edit the room topics below!

The final column provides space for you to paste any links that will help your work. A blank specification document is included in each row should it be useful to your group. Here is an example specification: [Example_cadenceFoMSpecification_FoM_saturation_depth](#) .

Afternoon session: Breakout room	Topic, Proposer	Participants (can fill in during the session)	Figure of merit specification, or other links (enclosing directory for specifications)
“TVS”	Fast transient metrics		cadenceFoMSpecification_pm_02
“SMWLV”	Bulge, Crowded fields, disk issues	Annalisa Calamida	cadenceFoMSpecification_pm_03
“Solar System”	Variability in the Magellanic Clouds	Knut Olsen Ilaria Musella	cadenceFoMSpecification_MagClouds_Variability
“Informatics & Statistics”	Astrometry		cadenceFoMSpecification_pm_05
“Strong Lensing”	Star clusters		cadenceFoMSpecification_pm_06
“Galaxies”			cadenceFoMSpecification_pm_07

Breakout Rooms for SMWLV-TVS Cadence Hack Day II, Thurs March 4th, 2021

“AGN”			cadenceFoMSpecification_pm_08
“DESC”			cadenceFoMSpecification_pm_09

FoM Specifications in progress

Here are the figure of merit specifications arising from previous observing strategy hack days. If you create a new specification during or after the hack day, please add it to this table!

Specification doc	Lead author (if known)
GP coverage for star forming regions	Sara Bonito
young stars variability carina	Sara Bonito
brown dwarf astrometry	John Gizis
cadenceFoM_stellarMetallicity	Will Clarkson
cadenceFoMSpecification_MagClouds_Variability	Knut Olsen

Map of the meeting rooms

Here is a map showing the locations of the meeting rooms in the Gathertown meeting space. This map is also available at the community post [at this link](#).

Breakout Rooms for SMWLV-TVS Cadence Hack Day II, Thurs March 4th, 2021

