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Filters for SAMI

SAMI has one filter wheel with 7 positions for 3 inch square filters. We have acquired two new broadband filter sets for exclusive use with SAMI: a Kron-Cousins BVRI set and a SDSS griz set. We also have new Ha, NI, [NII] and [SII] narrow band filters, in addition to several redshifted Ha filters designed for the Fabry-Perot module (more details in [this link](#) [1]). The table below shows the updated list of available filters, with the vendor-supplied transmission curves.

Filter Name	Filter Set	Central wavelength (Å)	FWHM Width (Å)	Transmission Curve
SAMI-B	K-C	4400	1000	Plot [2]
SAMI-V	K-C	5500	800	Plot [3]
SAMI-R	K-C	6550	1800	Plot [4]
SAMI-I	K-C	7800	1050	Plot [5]
SAMI-g	SDSS	4750	735	Plot [6]
SAMI-r	SDSS	6250	735	Plot [7]
SAMI-i	SDSS	7750	765	Plot [8]
SAMI-z	SDSS	9500	2328	Plot [9]
SAMI-Ha	Narrow	6563	75	Plot [10]
SAMI-[NI]	Narrow	5180	55	
SAMI-[NII]6583	Narrow	6583	18	Plot [11]
SAMI-[SII]	Narrow	6724	75	Plot [12]
SAMI-[SII]6738	Narrow	6738	27	Plot [13]
BTFI_5021/17	Narrow	5030.9	16.5	

BTFI_6569/20	BTFI	6569.2	18.6	
BTFI_6579/20	BTFI	6578.8	19.9	
BTFI_6600/20	BTFI	6600.5	19.3	
BTFI_6745/38	BTFI	6745	38.5	

Source URL: <http://www.ctio.noirlab.edu/soar/content/filters-sami>

Links

- [1] <http://www.ctio.noirlab.edu/soar/content/filters-sam-fp>
- [2] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/Kron-Cousins_B.jpg
- [3] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/Kron-Cousins_V.jpg
- [4] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/Kron-Cousins_R.jpg
- [5] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/Kron-Cousins_I.jpg
- [6] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SDSS_g.jpg
- [7] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SDSS_r.jpg
- [8] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SDSS_i.jpg
- [9] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SDSS_z.jpg
- [10] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SAMI_filt_Ha_curve.png
- [11] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SAMI_filt_NII_Narrow_curve.jpg
- [12] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SAMI_filt_SII_curve.png
- [13] http://www.ctio.noirlab.edu/soar/sites/default/files/SAM/SAMI_Filters/SAMI_filt_SII_narrow_curve.png