BM02, BM08, BM16, BM30, BM32

In this BM group we have **BM02, BM08, BM16, BM30, BM32**.

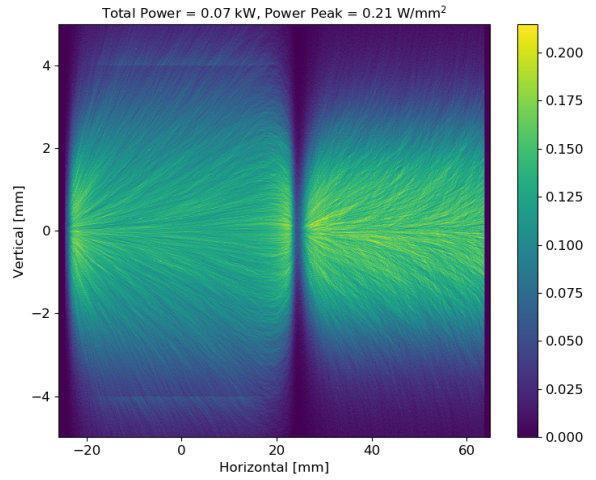
Main parameters

Main parameters of this group can be summarized in the following table:

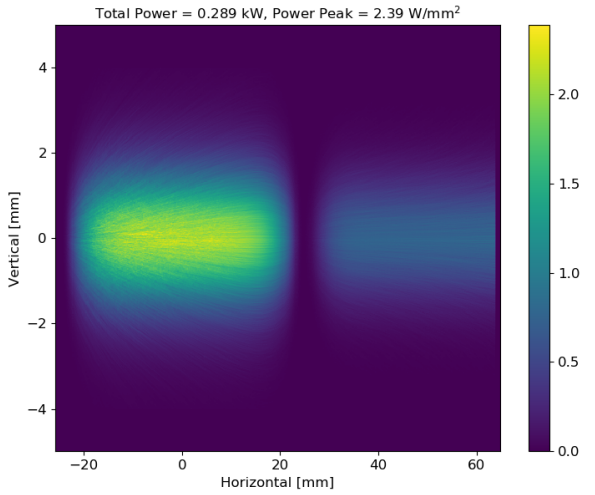
			FE window			
Source	**Module 1 alignment [mrad]**	**Mask alignment [mrad]**	**Material**	**Thickness [mm]**	**Size H x V [mm]**	**Mask aperture [mrad]**
Single Bent Magnet (SBM)	**-7.85**	**-6.96**	**Be**	**0.5**	**130 x 8**	**2.1**

FE Window

Heat load calculations have been done for this component, **22.8 m** from the source.



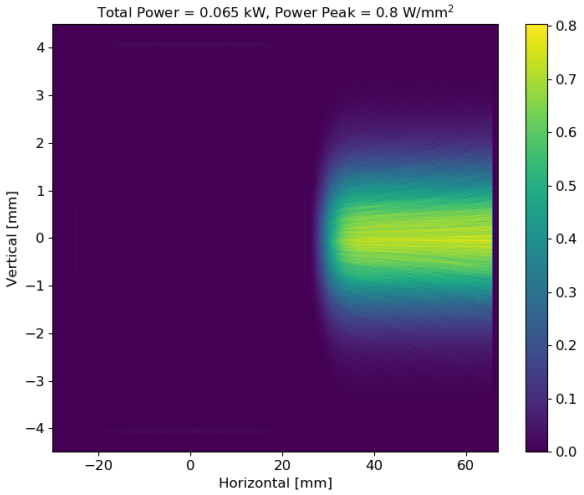
Group 1: Absorbed Power by FE Be window



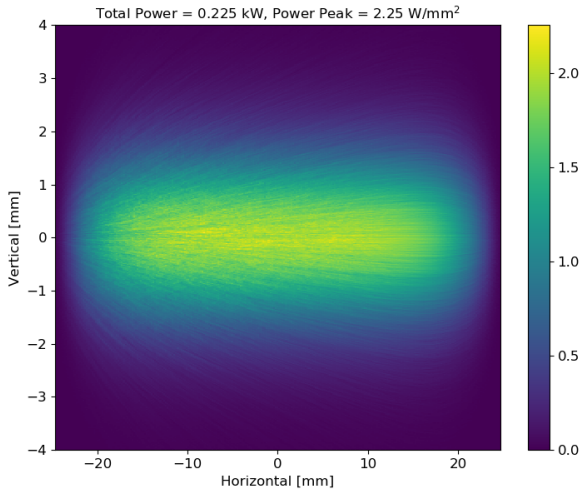
Group 1: Transmitted Power by FE Be window

FE Mask

Heat load calculations have been done for this component, **23.5 m** from the source. Please notice you can find a data file from transmitted power below the figure.



Group 1: Absorbed Power by FE Mask



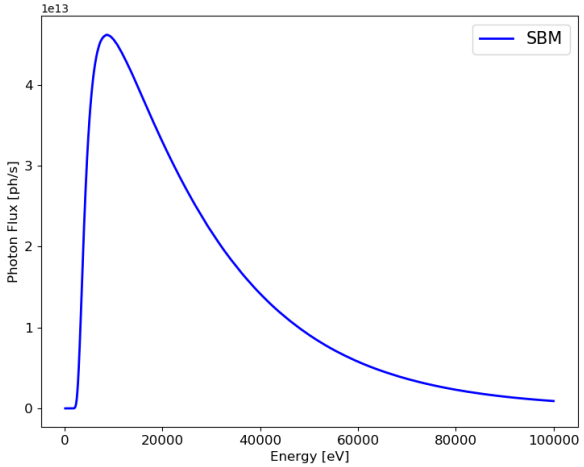
Group 1: Transmitted Power by FE Mask

HDF5 Data file: G1_Trans_Power_FE_Mask.h5

Photon flux spectrum

For these BM Beamlines the calculated flux just after the FE Mask is shown at the right, flux peak is around 8.7 keV.

CSV Data file: SBM_group1_spectrum_FE_Mask.csv



Group 1: Photon flux spectrum downstream FE