

Imager on board INTEGRAL Satellite: imaging with the physical mask

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We present imaging simulations of the Galactic Centre region as will be seen by the IBIS instrument on board INTEGRAL satellite, with regard to the coded mask subsystem. We use for the first time the real mask rather than the purely mathematical pattern, i.e., taking into account the transparencies/opacities at a given energy of the mask pixel elements as measured in the laboratory experiments. Imaging performances and quality degradation are discussed.