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JWST-MIRI Integral Field Spectroscopy of high-z galaxies.

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Abstract

Due to its sensitivity and spectral coverage, the James Webb Space Telescope (JWST) Mid-Infrared Instrument (MIRI) is optimum to detect the H_α emission line on sources at redshifts beyond 6.7. The European MIRI Guaranteed Time Observations (GTO, PI: G. Wright) will dedicate 65 hours to observe three Ly_α emitters (LAEs) and two quasars in the Epoch of Reionization (EoR), plus two dusty star-forming galaxies (DSFG) at z∼4-7. We present the realistic simulations we created in preparation for the MRS data expected for the High- z GTO program.