JWST Proposal 1218 (Created: Tuesday, February 20, 2018 6:18:31 PM EST) - Overview



# 1218 - NIRSpec-IFU Observations of two QSOs at z=6

Cycle: 1, Proposal Category: GTO

### **INVESTIGATORS**

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#### **OBSERVATIONS**

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Folder	Observation Label		Observing Template	Science Target		
Observa	ation Folder					
	1	NIRSpec IFU observation of J1148	NIRSpec IFU Spectroscopy	(1) J1148+5251		
	2	NIRSpec IFU observation of J0100	NIRSpec IFU Spectroscopy	(2) J0100+2802		

## **ABSTRACT**

This proposal is associated with NIRSpec Observation IDs:

FERRUIT\_3051

FERRUIT\_3052

The goal of the observations is to map (redshifted) optical nebular lines in the host galaxy and circumgalactic region of two luminous quasars at  $z\sim6$ . The observations (obtained with the high resolution grating) will also be used to detect and characterize the quasar-driven outflows.

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# **OBSERVING DESCRIPTION**

This proposal is associated with NIRSpec Observation IDs:

FERRUIT\_3051

FERRUIT\_3052

These are gathered under the proposal title

"NIRSpec and MIRI spectroscopy of QSOs - part #1"

Contact: Roberto Maiolino (r.maiolino@mrao.cam.ac.uk)

The NIRSpec IFU observations are done with the G395H grating and are aimed aimed primarily at mapping the strongest optical nebular lines (Hbeta, [OIII], Halpha, [NII]) in order to trace the distribution and kinematics of the medium in the host galaxy and the circumgalactic region.

We are not using TA as Gaia GS are available for any orientation, hence ensuring a pointing accuracy adequate for our goals.

We use NRSIRS2RAPID in order to better identify and remove cosmic rays.

Proposal 1218 - Observation 1 - NIRSpec-IFU Observations of two QSOs at z=6												
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Observation	Diagnostic Status: Warning											
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Proposal 1218 - Observation 2 - NIRSpec-IFU Observations of two QSOs at z=6												
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