



4MOST-StePS MINIGRANT

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4MOST @ VISTA

| | |
|-------------------------|---------------|
| Telescope size | 4m class |
| FoV | 4 sq degs |
| R @ Low resolution mode | 6000 |
| Lambda range | 3700 – 9500 Å |
| Multiplexing | 1600 |
| Fibers on sky aperture | 1".45 |

StePS@4MOST

- Spectra of ~ **3 k galaxies**
- $0.3 < z < 0.7$
- $I_{AB} < 20.5$
- 30 h exp (S/N ~ 30/Å)

Iovino et al. 2023 – ESO Messenger 190

4MOST-StePS survey (PI: A. Iovino)

The goal of the survey is to provide a precise empirical description of the evolutionary path of massive galaxies in the yet unexplored intermediate redshift range, complementing both the LEGA-C survey at high redshift and the SDSS survey in the local Universe.

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First light of 4MOST : **2024**

| | 2022 | 2023 |
|-------------------|-------------|-------------|
| FTE totali | 0.6 | 0.6 |
| BUDGET | 7 K€ | 7 K€ |

Role of the applicants

- Angela Iovino : PI of the 4MOST-StePS survey
- Marcella Longhetti: StePS core team member and 4MOST extragalactic pipeline working group (IWG8) member
- Amata Mercurio: StePS core team member and 4MOST pipeline calibration and science verification working group (IWG3) member

Purpose of the request:

support for traveling during two years of preparatory work of the survey

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DELIVERABLES

Since this application was only for supporting travels in a preparatory phase of the future survey, the only foreseen deliverable was a paper in the ESO-Messenger issue dedicated to presenting the survey

lovino et al. 2023 – ESO Messenger 190

EXPENSES SO FAR: ~ 4000 € (funding availability **starting from Jan 2023**)

4MOST Science Team Meeting 2023 (Brighton – UK)

internal StePS-4MOST team meeting (Bologna)

International meeting in Tenerife (survey presentation)

No critical issues