



## **JOB ANNOUNCEMENT**

The Istituto Nazionale di Astrofisica – Osservatorio Astronomico di Capodimonte (INAF- OACN) is offering a post-doctoral position in **“Spectroscopic Analysis of simulated and future Euclid data”**, coordinated by Dr. Viola Allevato. This position is part of the projects (PI: V. Allevato) :“AGN and Euclid: a close entanglement” and “Linking Active Galaxies to Large-Scale Structure: a dataset-oriented approach”.

## **RESEARCH PROJECT**

The postdoctoral fellowship will focus on:

- redshift and spectral feature measurements by using simulated data and Euclid AGN spectra when available from the Quick and Data Release 1;
- Spectral analysis of Euclid AGN to perform physical parameter estimates;

The candidate will work with the team of collaborators of the LG and PRIN INAF projects and within the international AGN working group of the Euclid collaboration from other Italian and abroad research institutes/universities. The post-doc will primarily collaborate with Viola Allevato at INAF – Osservatorio Astronomico di Capodimonte. Visits to other INAF (e.g. OAR, OAS) and foreign institutes to closely work with colleagues involved in the project are anticipated and considered beneficial. A budget of 8,000 euros is available for the postdoctoral fellow to participate to conferences relevant for the project, and for visits among the project collaborators.

## **ELIGIBILITY**

The expected activation date of the contract is 15 April 2024, and will be for 24 months. The yearly gross salary is 28,373.85 Euros, corresponding to a net salary of around 25,000 Euros.

**The deadline for sending applications is March 30, 2024 – 11.59 p.m. (Italian time).**

## **REQUIREMENTS**

- PhD in Astronomy or Physics or equivalent qualification awarded by public or private Universities, Institutions, Research Organizations or Centers or other qualified research bodies, both in Italy and abroad, in the topics relevant to the scientific and technological area and the research object of this call. Or alternatively



- Master Degree in Astronomy or Physics or equivalent qualification, together with 3 years of documented experience, awarded by public or private Universities, Institutions, Research Organizations or Centers or other qualified research bodies, both in Italy and abroad, in the topics relevant to the scientific and technological area and the research object of this call.

With the sole scope of admission to this selection procedure, the equivalence of educational qualifications obtained abroad will be verified by the “Selection Committee” as of Art. 8 in the Call, on the basis of documentation forwarded by the candidate as foreseen by Art. 3 of the “Call”, provided that, in case the candidate is the winner of the aforesaid procedure, the Administration will acquire the results of the verification performed by the “Selection Committee” and will forward them together with the documentation listed in Article 3, paragraph 2, letter a) or b) of the Decree n. 189 of the President of the Republic of 30 July 2009, plus the application of the candidate, to the Ministry of University and Research with the scope to acquire the opinion foreseen in Article 4, paragraph 2 of the aforementioned Decree.

### PREFERENTIAL QUALIFICATIONS

We are particularly interested in candidates with knowledge in one or more of the following:

- Physics and spectroscopy of AGN;
- Programming languages such as Python and C++;
- Tools for data handling/visualisation and AGN spectral analysis;

### APPLICATION PROCEDURE

Applications must be sent via certified e-mail to [inafoanapoli@pcert.postecert.it](mailto:inafoanapoli@pcert.postecert.it); or, alternatively, via email to [concorsi@oacn.inaf.it](mailto:concorsi@oacn.inaf.it).

In the email subject the applicant should make explicit reference to “**Assegno di Ricerca - Spectroscopic Analysis of simulated and future Euclid data**”.

Applications must include the following Annexes dated and signed:

- the Application Form (Annex A);
- the self-certification Form (Annex B);

Up to two reference letters will be appreciated. contacts should address them by the deadline for application to: [inafoanapoli@pcert.postecert.it](mailto:inafoanapoli@pcert.postecert.it), or to [concorsi@oacn.inaf.it](mailto:concorsi@oacn.inaf.it), reporting in the object of the mail:

“**Assegno di Ricerca - Spectroscopic Analysis of simulated and future Euclid data**” and the name of the candidate they are referred to.

The applicant also needs to attach:

1. a curriculum vitae (dated and signed);



2. a complete list of relevant publications, dated and signed, which should contain all details: title, journals, years of publication, lists of authors;
3. a list of all submitted documents.
4. a copy of a valid identification document;
5. any other work or publication the applicant deems useful.

Incomplete or unsigned applications will be rejected.

Naples, 9 February 2024

Il Direttore  
Dott. Pietro Schipani