

## **JOB ANNOUNCEMENT DETERMINA 243/2023**

The Istituto Nazionale di Astrofisica – Osservatorio Astrofisico di Arcetri (INAF-OAA) is offering a two-year position in *“Feasibility study for HRMOS spectrograph”*.

### **RESEARCH PROJECT**

The candidate will participate in the conceptual study for the realization of a high resolution multi-fibre spectrograph (HRMOS) to be proposed at ESO for the VLT telescope. In particular, he/she will participate in the design and construction of an “Exposure time calculator” and in defining the spectroscopy specifics in terms of sampled spectral ranges, spectral resolution and number of fibres

### **ELIGIBILITY**

The appointment is expected to begin by **May 2024** and will be for 2 years in the first instance, and renewable afterwards, subject to funding availability and performance review. The yearly gross salary is 26,000 Euros.

Prospective candidates are encouraged to contact:

- Dr. Anna BRUCALASSI [anna.brucalassi@inaf.it](mailto:anna.brucalassi@inaf.it) (INAF-OAA) and/or Dr. Laura MAGRINI [laura.magrini@inaf.it](mailto:laura.magrini@inaf.it). (INAF-OAA)

The deadline for sending applications is **November 30, 2023 – 11.59 p.m. (Italian time)**.

### **REQUIREMENTS**

Master Degree in Astronomy, Physics, Math, Engineering or Computer Science 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.

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. 7 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.

#### **PREFERENCIAL QUALIFICATIONS:**

- PhD in Physics, Astrophysics, Engineering, Mathematics, Computer Science
- Experience in programming languages, e.g. Python
- Data analysis from optical instrumentation such as spectrographs or two-dimensional sensors
- Optical spectroscopy and spectral analysis

#### **APPLICATION PROCEDURE**

Applications must be sent via e-mail to: [inafoarcetri@pcert.postecert.it](mailto:inafoarcetri@pcert.postecert.it). In the email subject the applicant should make explicit reference to **"Bando PRIN MUR 2022- Domanda per Assegno Progetto COSMIC POT DETERMINA n. 243/2023"**.

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. Editors/contacts should address them by the deadline for application to: [inafoarcetri@pcert.postecert.it](mailto:inafoarcetri@pcert.postecert.it) , reporting in the object of the mail: "DETERMINA n. 243/2023" and the name of the candidate they are referred to.

The applicant also needs to attach:

- 1) a copy of a valid identification document;
- 2) a curriculum vitae (**dated and signed**);
- 3) **if awarded outside Italy**, copy of academic qualifications and also transcripts in case of Master Degree;
- 4) a complete list of relevant publications, dated and signed, which should contain all details: title, journals, years of publication, lists of authors, and web addresses on which they can be viewed.
- 5) any other work or publication the applicant deems useful;
- 6) a list of all submitted documents.

Incomplete or unsigned applications will be rejected.