

Saha Institute of Nuclear Physics
(An Autonomous Research Institute under the Dept. of Atomic Energy, Govt. of India),
Sector-1, Block – AF, Bidhannagar, Kolkata – 700 064.

Sub: Faculty Recruitment

Applications are invited from eligible Indian Nationals for filling up **12 (twelve)** posts of **Associate Professor-E on direct recruitment basis** in the **Level 12 [pre-revised PB-3 of ₹ 15600-39100/- + 7600/- (Grade Pay)]** as per 7th CPC. D.A., H.R.A. and Transport Allowance etc. will be admissible as per the rules of this Institute. The details of the posts are as under:-

Post Code	Name of the Division	No. of Post(s)
23/2017-APE-ANP	Applied Nuclear Physics Division	01
23/2017-APE-APC	AstroParticle Physics & Cosmology Division	01
23/2017-APE-BSG	Biophysics and Structural Genomics Division	01
23/2017-APE-CMP	Condensed Matter Physics Division	01
23/2017-APE-C&MB	Crystallography & Molecular Biology Division	01
23/2017-APE-HENPP	High Energy Nuclear & Particle Physics Division	01
23/2017-APE-NPD	Nuclear Physics Division	02
23/2017-APE-PPD	Plasma Physics Division	02
23/2017-APE-SPMS	Surface Physics and Material Science Division	01
23/2017-APE-Theory	Theory Division	01

Essential qualifications for all the above posts (EQ):

Candidates with Ph.D. degree with at least two years of post-doctoral experience** with some recognition amongst scientists in his/her area of specialization by the merit or his/her publications.

The candidate should have proven ability of guiding research of junior workers, ability to communicate and interact with other scientists, and flexibility of outlook and attitude to take independent charge of assigned sub areas belonging to a major project or broad area of research of the Institute.

[The selected candidate is also expected to participate in the existing teaching programme of SINP.]

Contd....2/

**** Certificate from the Competent Authority in the attached format (Annexure-II) is mandatory.**

Experience in the related field and desirable qualifications (DQ):

For Applied Nuclear Physics Division: The successful candidate should have excellent experimental research record in one or more of the following: dark matter search, neutrinoless double beta decay and neutrino physics.

For AstroParticle Physics & Cosmology Division: Proven records of expertise in modeling, simulations and data analysis in any of the following areas of theoretical/observational astroparticle physics and cosmology: i) supernovae and neutron stars, ii) dark matter and dark energy, iii) neutrino astrophysics, iv) very high energy gamma rays and cosmic rays, v) gravitational waves and vi) phenomenological cosmology.

For Biophysics and Structural Genomics Division: Proven expertise in application of Biophysical techniques in studying Cancer and related disorders.

For Condensed Matter Physics Division: Candidates with proven research experience in any forefront areas of condensed matter physics (theory or experiment), as evident from the publications in reputed journals, may apply.

For Crystallography & Molecular Biology Division: Expertise in molecular dynamics simulations and multi-scale modeling in the area of large macromolecules, membrane proteins and macromolecular assemblies and/or evolutionary biology, computational genomics and related area of bioinformatics preferably using the Next-GEN sequencing facility, supported by a commendable list of publications in peer-reviewed journals.

For High Energy Nuclear & Particle Physics Division: Research experience in experimental high energy heavy ion collisions having expertise in large scale data analysis, Monte Carlo simulation and detector operations.

For Nuclear Physics Division: Proven research experience in accelerator based low energy nuclear astrophysics and/or nuclear structure/reaction studies.

For Plasma Physics Division: Ph.D. and post-doctoral experience in experimental work in magnetized plasmas/laser plasma interactions with preference for demonstrated ability for development of relevant experimental set-ups.

For Surface Physics and Material Science Division: [The candidate should have](#) bright academic records, high quality publications and hands-on experience of the utilizations of instruments/tools/facilities [existed in the Division](#) for studying surface-interfacial properties in low dimension (in micro-nano meter length scale) with the aim of pursuing commendable research on energy storage materials and related topics. [Details of facilities and activities may be found at http://www.saha.ac.in/web/spd-home](#)

For Theory Division: Candidates with excellence in research in any of the areas of current pursuit in the Theory Division or in any other related theoretical areas should apply. Details of the activities of the Theory Division may be found at <http://www.saha.ac.in/web/theory-home>

Age : Preferably below 40 years. Age relaxation as per Govt. rules.

NOTE The crucial date for determining the age limit shall be the last date of receiving the application i.e **15.02.2018**. The qualification etc. will also be reckoned on the same date.

General Instructions –

- (i) Applicants working in Government/Quasi Government/Autonomous Institutes/Public Sector Undertakings etc. should apply through proper channel alongwith the certificate duly signed by the competent authority available in the **PROFORMA (Annexure-I)** available in the Institute website.
- (ii) Candidates applying for more than one Division should apply separately.
- (iii) Self attested photo copies of documents in respect of qualification and experience of the candidate must be submitted with the application form.
- (iv) No correspondence will be entertained from the candidates regarding their selection/test/interview/appointment. Canvassing in any form will disqualify a candidate.
- (v) THE INSTITUTE RESERVES THE RIGHT TO FILL UP OR NOT FILL UP THE POST(S).
- (vi) Any subsequent amendments/ modifications etc. on this matter will be notified in the Institute website only which may be referred by the interested candidates continuously.
- (vii) No interim queries will be entertained.
- (viii) Candidates appointed will be governed by the New Pension Scheme introduced w.e.f. 01.01.2004.
- (ix) The Institute will not be responsible for any postal delay.
- (x) TA for Outstation candidates will be as per Government of India rules/ instruction.
- (xi) **Incomplete application, application without requisite enclosures, application made in other formats will be summarily rejected.**

Application should be made by sending **three copies of the Application Form** (in the prescribed proforma available in the website-**Annexure-I**) with a list of publications, cumulative important reprints, impact factors citation, research plan for future work, self attested copies of relevant certificates/testimonials to **the Registrar, Saha Institute of Nuclear Physics , 1/ AF, Bidhannagar, Kolkata-700 064** within **15.02.2018**. The candidates are requested to arrange for letters of recommendations of **at least three referees** (in sealed envelope appropriately marked confidential) which may either accompany the application or may be sent directly to **the Registrar, Saha Institute of Nuclear Physics , 1/ AF, Bidhannagar, Kolkata-700 064** within **15.02.2018**. The names and addresses (including e-mail) of these referees should be mentioned in the CV. Outer cover of the application should be marked as '**Application for the post of Associate Professor-E for Division**' as the case may be. Application and the recommendations of the referees may also be sent by e-mail. All emails/communications must be addressed to estt.officer@saha.ac.in. This will be treated as advance application. However, duly signed hard copy of the application will also have to be sent as per the advertisement within the specific time, i.e.**15.02.2018, failing which the application will be liable for rejection.**

Last Date of receiving the application is 15th February, 2018

This advertisement is also available in the Institute Home Page <http://www.saha.ac.in>.

No.SINP/Estt/Advt./23/2017
Date: 11.12.2017

Registrar

SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA

Common application form for Academic positions

APPLICATION FORM

(To be furnished in **TRIPLICATE**)

Paste self
attested
photograph

01. Advt. No. : **SINP/Estt/Advt/23/2017**

02. Post applied for: Post Code:

(Instruction for filling up : If you are applying for the post of Associate Professor 'E' in Applied Nuclear Physics
Division -Please write- **ANP-Assoc. Prof. E** and likewise)

03. Name of the applicant (in block letters). :

04. Father's/Guardian's name. :

05. Date of birth (in Christian Era). :

06. Permanent address. :

07. Address for correspondence. :

(with e-mail & Mobile No.if any)

08. Nationality. :

09. Religion. :

10. Sex :

11. Marital status. :

12. Place of birth and state. :

13. Whether belonging to SC/ST/OBC/PWD/
Ex-Serviceman. :

14. Educational Qualifications (Matric onwards). :

(Attested photocopies of certificates to be enclosed).

Sl. No	Examination passed	Name of the School/College /University	Academic year	Marks obtained	Division

15. Other Qualifications/Training (Photocopies of certificates to be enclosed) :

16. Details of Employment, in chronological order. (including the present post held) ***(Please attach separate sheet in this proforma, if required):***

Sl. No.	Office/ Orgn. with address & telephone No.	Post held	Regular / Ad-hoc / deputation	From	To	Total Period (in year, month & day)	Scale of Pay & Basic Pay (Pre- revised/revis ed)	Nature of duties
TOTAL PERIOD OF EMPLOYMENT (IN YEAR,MONTH & DAYS)								

17. Additional information, if any, in support of your suitability for the post. :
18. Do you claim Age relaxation (If yes, mention under which categories). :
19. Any other information, the candidate wishes to submit :
(Please enclose separate sheet with supporting documents)
20. Details of fees submitted. : Not Applicable

DECLARATION

I do hereby declare that the particulars furnished above by me are correct to the best of my knowledge and belief. I further undertake that I shall not withdraw my candidature for the post applied for:

Place:

Date:

(Signature of the applicant)

Name _____

Details of enclosures:

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

To be certified by the Cadre Controlling Authority/Employer

Certified that the particulars furnished by the officer are correct as per the records held in this office and no disciplinary/vigilance case is pending/contemplated against the officer and that no major/minor penalty has been awarded to him during the past 10 years and there is no doubt about the integrity of the officer.

(Name, Signature & Seal of the Cadre Controlling Authority/Employer)

No. : _____
Date : _____

ANNEXURE-II

TO WHOM IT MAY CONCERN

This is to certify that(employee title)
(employee name) was working at(organization
name) as **Post-Doctoral Fellow**/(other designation) from(joining
date) to(last working date).

During this period, his/her services were found to be satisfactory in carrying out
the following duties:

We wish him/her all the best in his future.

.....(Signature)

.....(Name)

.....(Designation)

.....(Organization stamp)