

Student Training Programmes

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Outline

- What is JINR UC?
- Student programmes
- More opportunities
- Outreach programmes

What is JINR University Centre?





STUDENT programmes

- BS and MS theses at JINR
- International Student Practices
- INTEREST & START
- Conferences for young scientists & specialists



SCIENCE popularization

- Scientific Schools for science teachers at JINR
- Live and virtual visits to the JINR labs
- **edu.jinr.ru**
- Science festivals & more



SKILL improvement

- Advanced practices
- Attachment of degree-seekers
- Engineering training
- Professional course
- Foreign language course

Our Goals

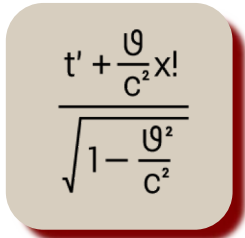
- ◆ To train highly qualified scientists and engineers from the JINR Member States
- ◆ To bring up-to-date scientific knowledge to the general public and to highlight recent scientific achievements of JINR
- ◆ To ensure the effective use of JINR facilities and expertise

Start Your Career at JINR

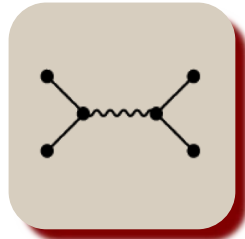


- World-class scientific research
- Wide range of research areas
- Qualified supervision
- International collaboration & useful contacts
- Variety of training programmes

JINR Research Areas



**Theoretical
Physics**



**Elementary
Particle
Physics**



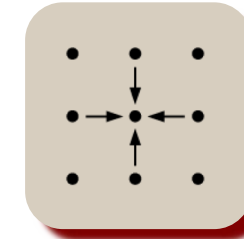
**Nuclear
Physics**



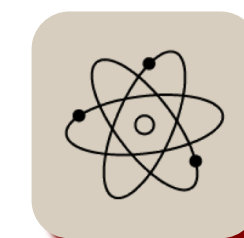
**Life
Sciences**



**Condensed
Matter
Physics**



**Networks,
Computing**



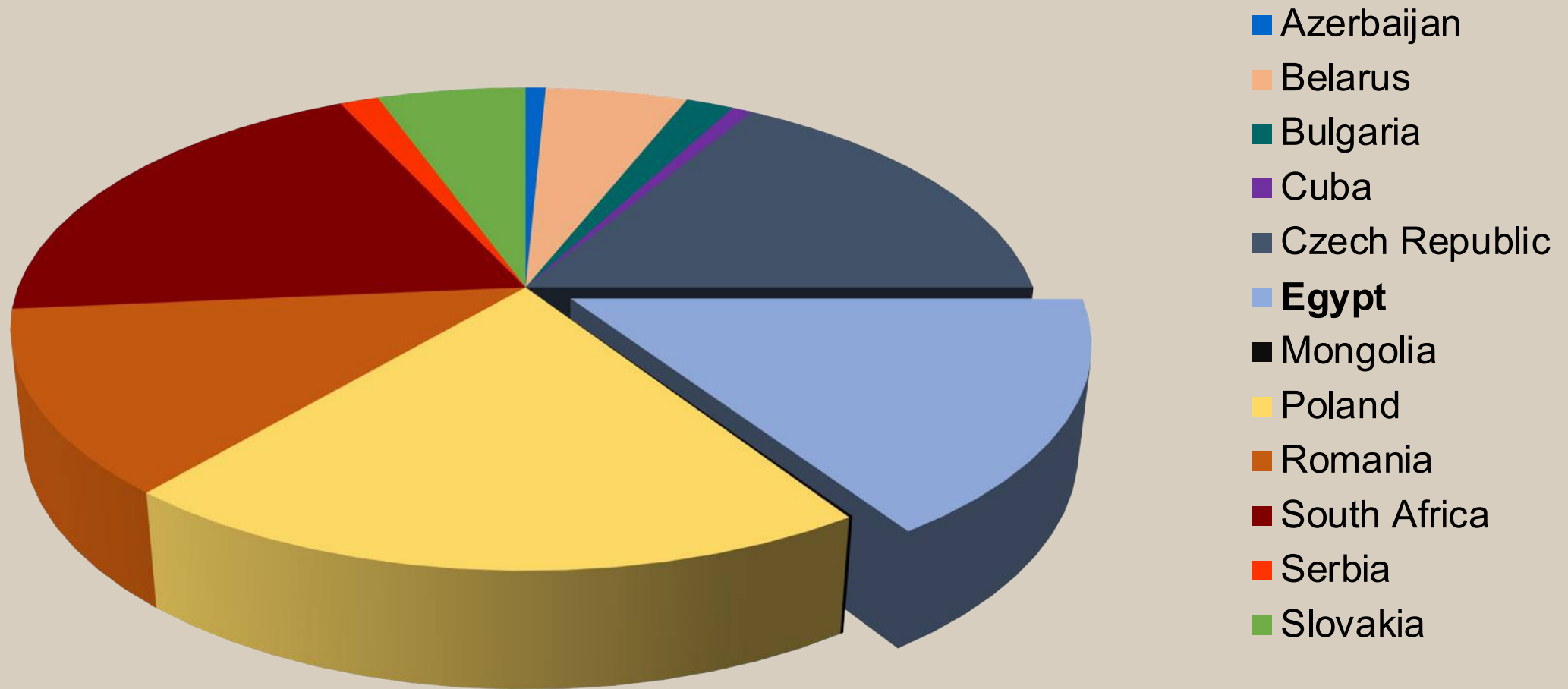
**Applied
Research**

International Student Practice (ISP) now



- Application through national representatives
- 3 weeks at JINR
- Introductory lectures and visits to the JINR Labs
- Work on research projects & final reports presentation
- Social programme
- Over 1700 participants from 12 countries since 2004

Practice Participants Representation



Total number of participants since 2004 – 1768, 298 from Egypt

START

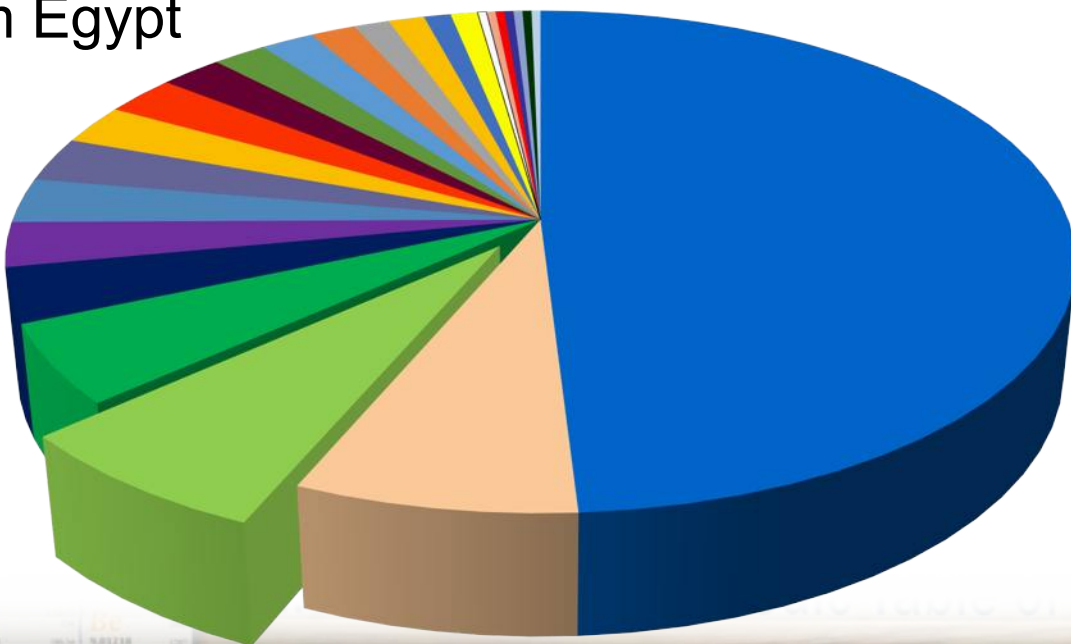
STudent Advanced Research Training

- For 4th year Bachelor students, Master students, 1st year PhDs
- Selection by JINR project supervisors
- Longer term (6-8 weeks)
- 2 sessions per year (Summer and Winter Session)
- Advanced level of projects
- 327 participants from 25 countries since 2014 (25 from Egypt)

Apply for the Winter Session in **Autumn 2023** on start.jinr.ru

START Participants

Total number 2014-2022 – **327**
25 from Egypt



- Russia
- Belarus
- Egypt
- Poland
- Cuba
- Mexico
- Ukraine
- Uzbekistan
- Kazakhstan
- Serbia
- Romania
- Azerbaijan
- Bulgaria
- Italy
- South Africa
- Armenia
- Brazil
- Slovakia
- Czech Republic
- India
- Spain
- Georgia
- China
- Germany
- Netherlands

start.jinr.ru



1

Register on start.jinr.ru

Click the **+Student** button.

Fill in the registration form, attach the required documents.

Wait for your account to be approved by the START Team.

2

Apply for a Session

Check out the requirements for applicants.

Select a Session, press **APPLY**.

Tick 1 or 2 of the available scientific fields corresponding to your sphere of studies.

3

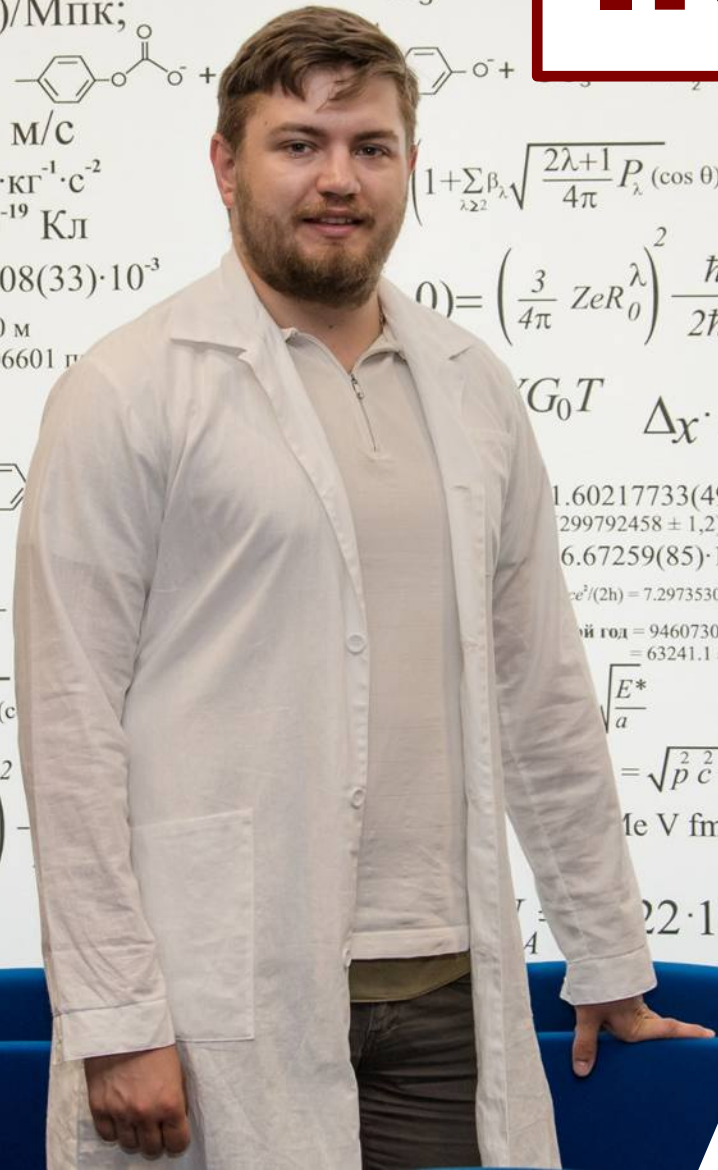
Get selected

Wait for the selection results.

Project supervisors get acquainted with the applications, select students with whom they would like to work during the Session.

INTEREST

INTERNATIONAL REMOTE Student Training at JINR

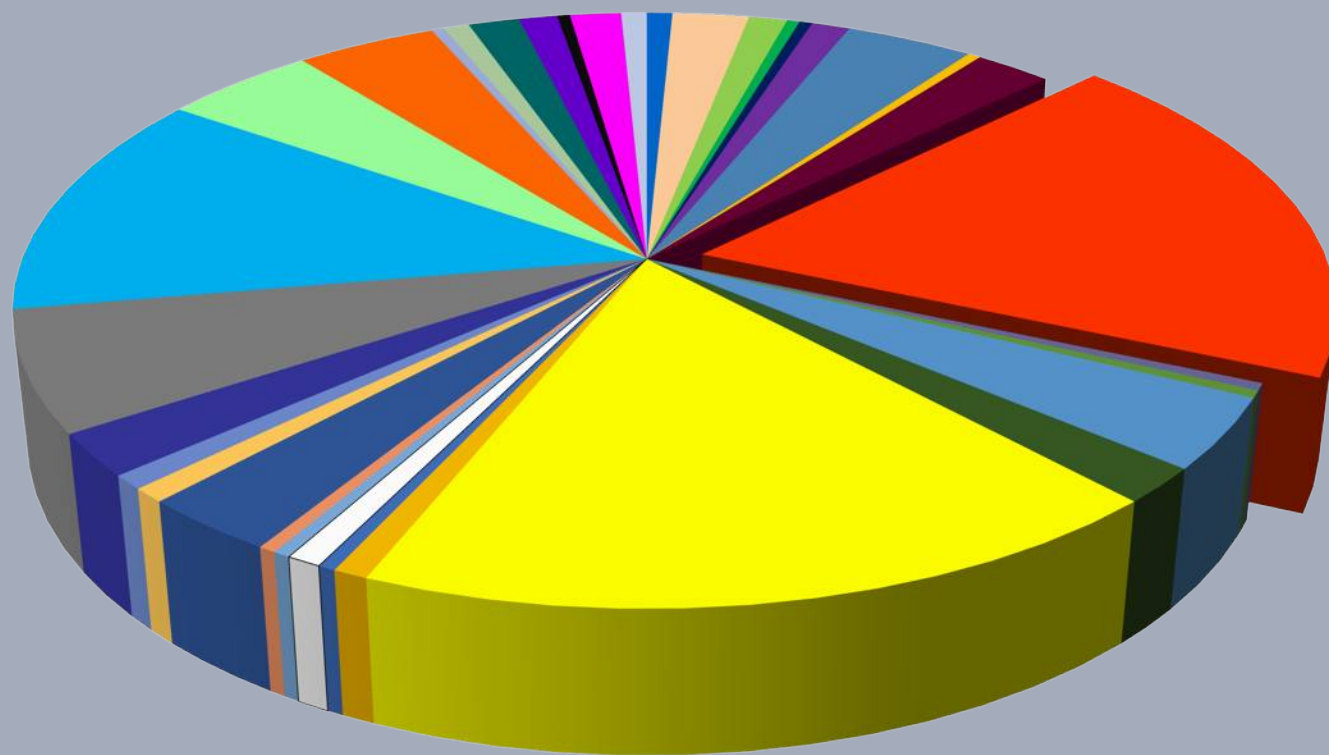


- Launched in October, 2020
- **Online** format
- For science/engineering/IT students and postgraduates from all over the world
- Runs in Waves, each Wave lasts for 4-6 weeks
- Working language – English
- Wave 9 in Autumn 2023

interest.jinr.ru

INTERESTing Statistics

Total number of participants in Waves 1-8 – **293**
57 – from Egypt



- Azerbaijan
- Bosnia and Herzegovina
- Brazil
- Cuba
- Czech Republic
- France
- Greece
- India
- Iran
- Japan
- Mexico
- Nigeria
- Romania
- Serbia
- Spain
- Ukraine
- USA
- Vietnam
- Belarus
- Botswana
- Bulgaria
- China
- Egypt**
- Germany
- Hungary
- Indonesia
- Italy
- Kuwait
- Mongolia
- Poland
- Russia
- South Africa
- Turkey
- United Kingdom
- Uzbekistan

INTEREST

APPLICATION TIPS

1

Register on interest.jinr.ru

Click the **+Student** button.

Fill in the registration form, attach the required documents.

Wait for your account to be approved by the INTEREST Team.

2

Apply for a Wave

Choose a Wave.

Select one or several projects that fit your field of interest.

Read the project description and skill requirements.

Fill in the motivation box and press APPLY.

3

Get selected

Wait for the selection results.

Project supervisors get acquainted with the applications, select students with whom they would like to work during the Wave.

Summary: JINR Student Programmes

ISP

START

INTEREST

Period

As agreed with national representatives

Winter: January-June
Summer: July-November

All-year, in Waves

Participants from

JINR Member states

All countries

All countries

Duration

3 weeks

6-8 weeks

4-6 weeks

Key idea

Introduction to JINR research fields

More profound research at JINR

Online research under supervision of JINR scientists

Selection by

National representatives

JINR project supervisors

JINR project supervisors

Students choose

Projects from the uc.jinr.ru/en/project-database

Scientific fields

Projects from the current Wave page interest.jinr.ru

Reports

Oral presentations of projects

Final written reports on start.jinr.ru

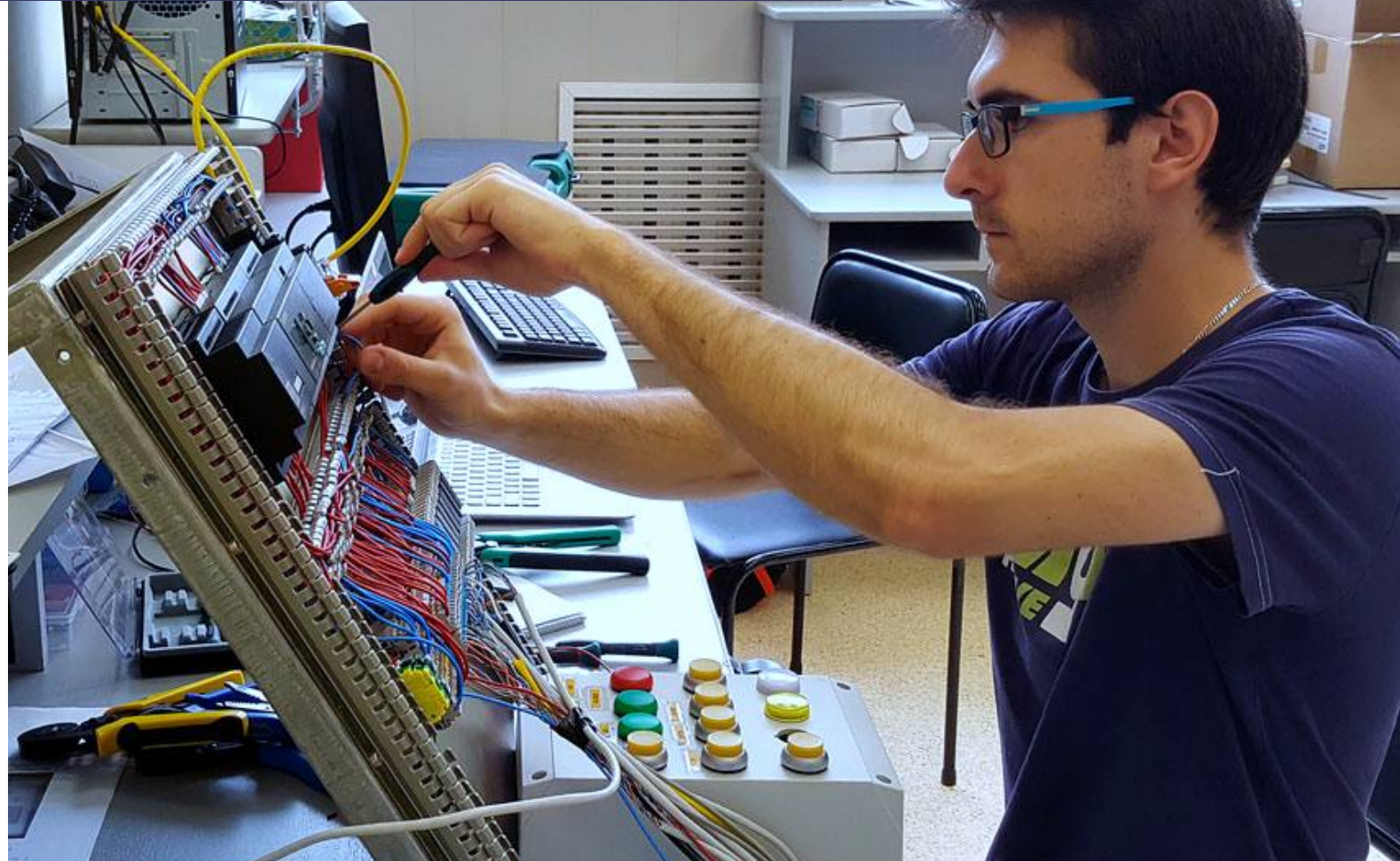
Final written reports published on the current Wave page



MORE OPPORTUNITIES

Hands-on Engineering Training

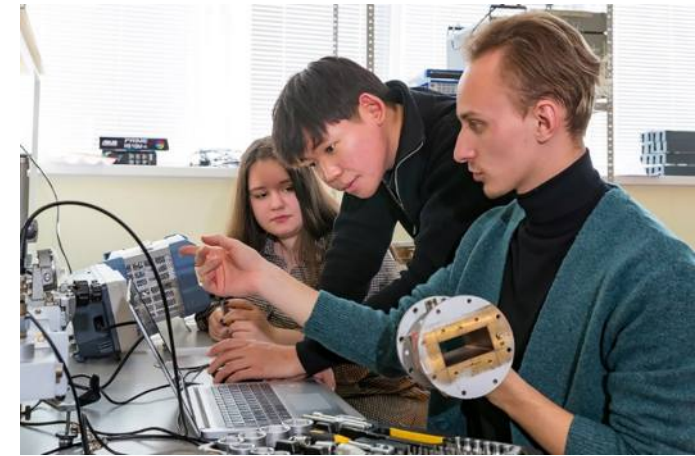
- Electronics & automation
- Basics of nuclear physics
- Radiation protection & safety
- Particle detectors
- Vacuum technology
- RF technology
- Magnets



Also available as a project in **ISP** and **START**

Engineering Training Infrastructure

Dedicated
training
stands



Linac-200

200 MeV
electron accelerator
with 22 MeV
'training' section



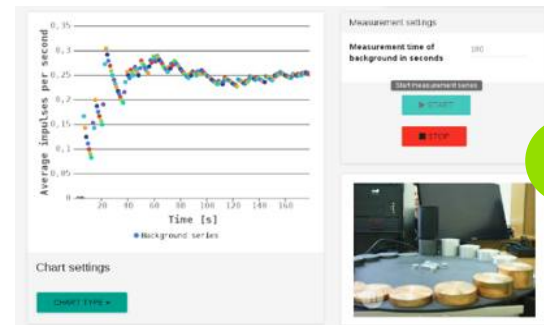
Open Information & Educational Environment



edu.jinr.ru



Video lecture courses



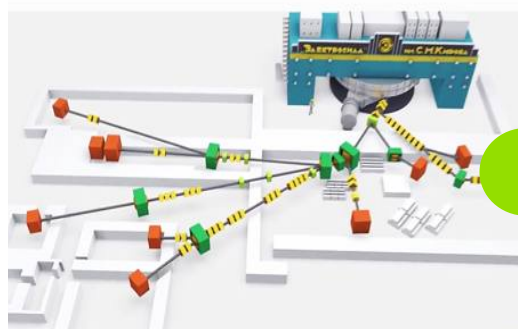
Remote practicum
on nuclear physics



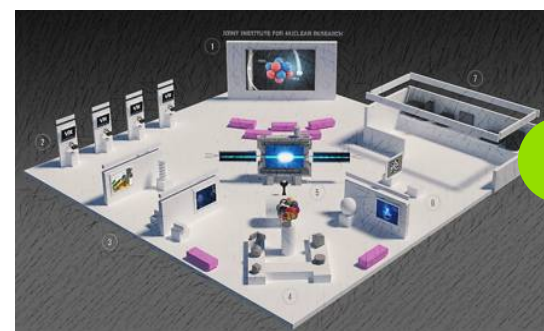
Virtual Laboratory
for nuclear physics



Hands-on practicum



Multimedia
educational resources



JINR Expositions

Annual Conferences for young scientists and specialists in Dubna and Alushta



Organised by the JINR Association of Young Scientists and Specialists

JINR SUPPORTS talented scientists and engineers who can conduct research within the JINR scientific programmes, or propose and lead new scientific projects at the international level

JINR Postdoctoral Research Fellowship Programme

- PhDs from all over the world
- Under the age of 40

http://www.jinr.ru/careers-en/postdoc_programme_en/

JINR Research Scholarship Programme

- Scientists or engineers with at least an MSc degree from all over the world
- Under the age of 60

Employment contract for the selected applicants

OUTREACH PROGRAMMES

- International Scientific Schools for science teachers at JINR
- Live tours of JINR facilities + virtual tours
- Festivals of Science and more...



USEFUL contacts & links

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Ms Julia Rybachuk Student Practice Coordinator rybachukjinr@gmail.com

START Programme start.jinr.ru

INTEREST Programme interest.jinr.ru

Latest AYSS Conference ayss-2022.jinr.ru