



The Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences

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World University Rankings 2023

Discover the world's top 2000 universities



Place 670 (3.3%)

Prof. Tadeusz Lesiak
Director General

General Information about IFJ PAN



• Personnel: **561**; Prof. **30**, Assoc. Prof. **61**, Ph.D. **101**, engineers **117**

• Scientific Divisions:

- Division of Particle and Astroparticle Physics
- Division of Nuclear Physics and Strong Interactions
- Division of Condensed Matter Physics
- Division of Theoretical Physics
- Division of Interdisciplinary Research
- Division of Applications of Physics

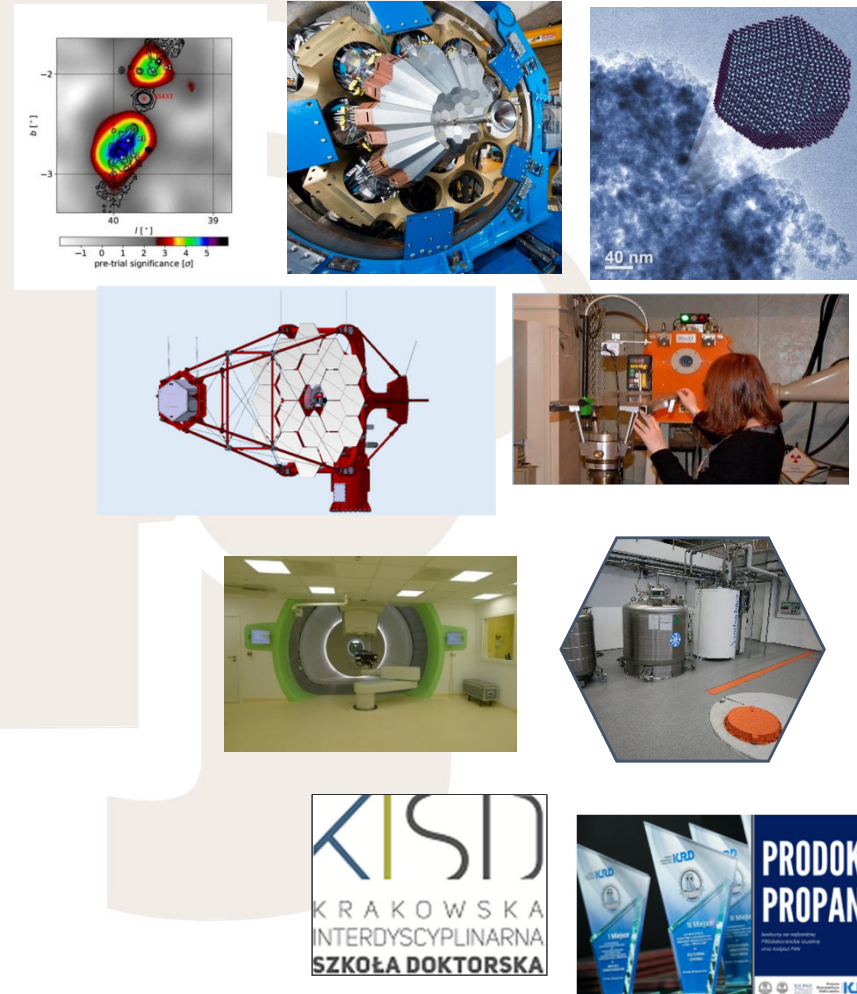
• Researcher Departments:

- Cyclotron Centre Bronowice
- Division of Scientific Equipment and Infrastructure Construction
- Four accredited laboratories

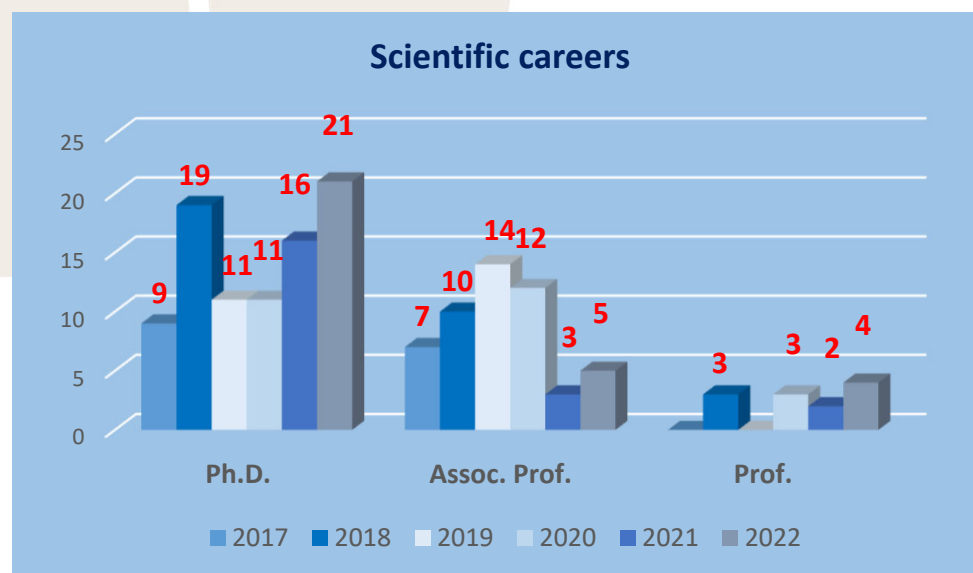
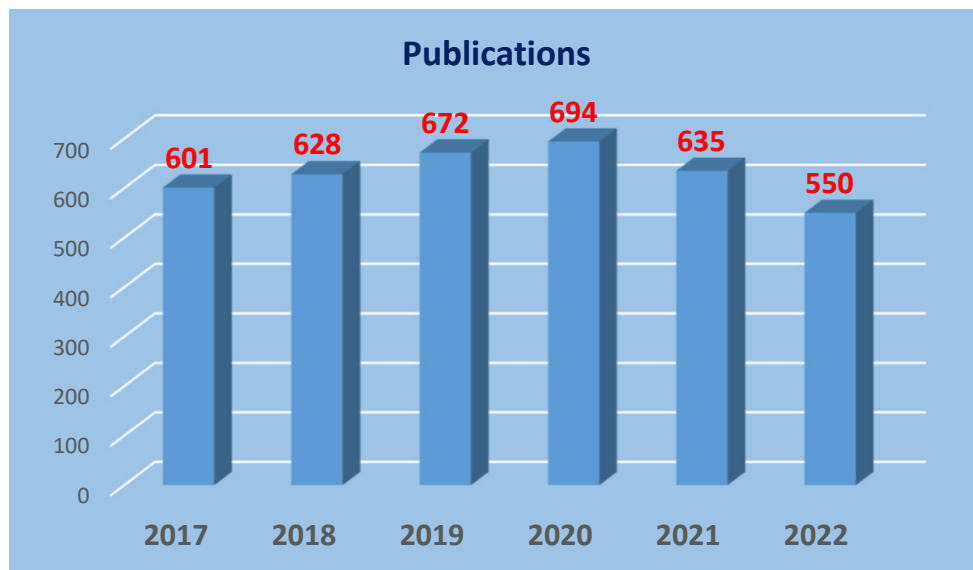
• Education:

- International Ph.D. Studies
- Interdisciplinary Doctoral Studies
- Kraków Interdisciplinary Doctoral School

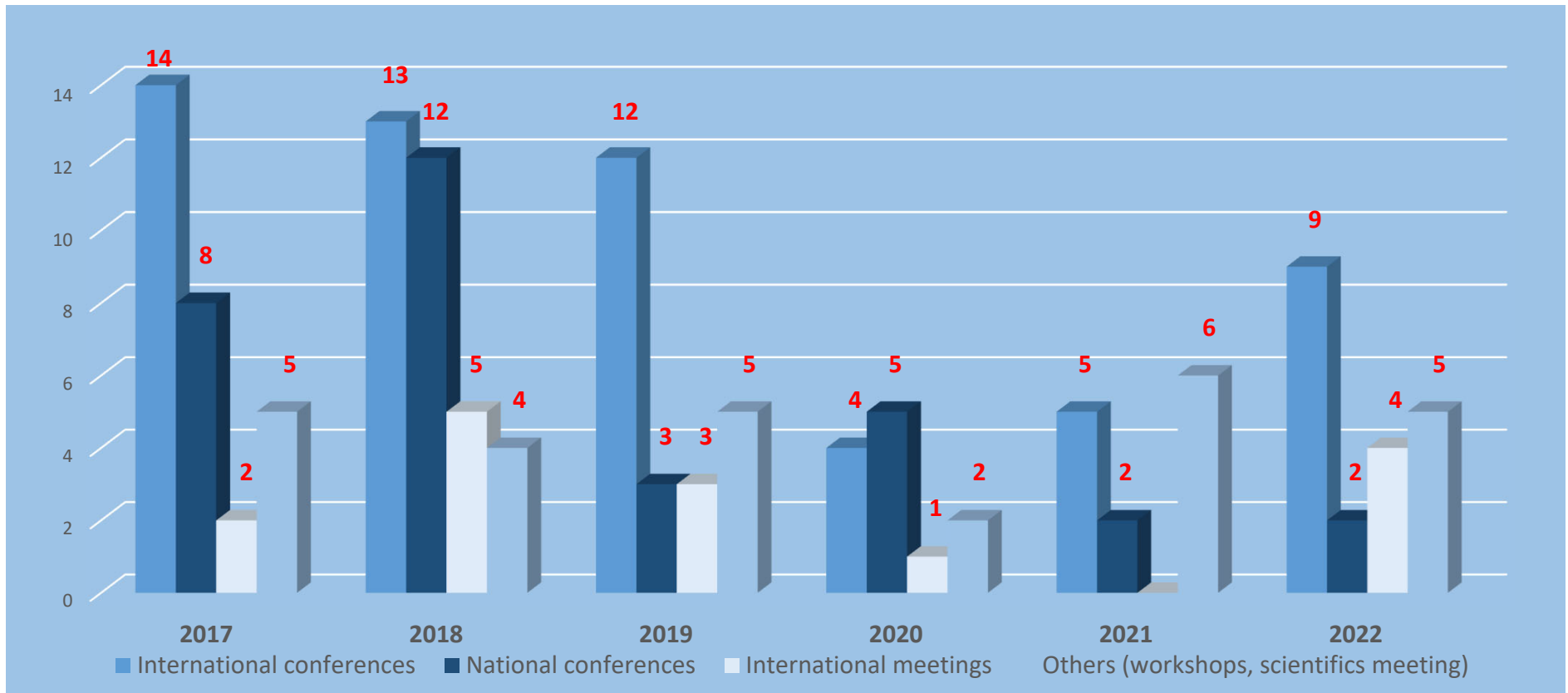
• Scientific output: **> 650** publications annually



Scientific Activity (2017-2022)



Conferences and Workshops (2017-2022)



❖ International, periodic conferences:

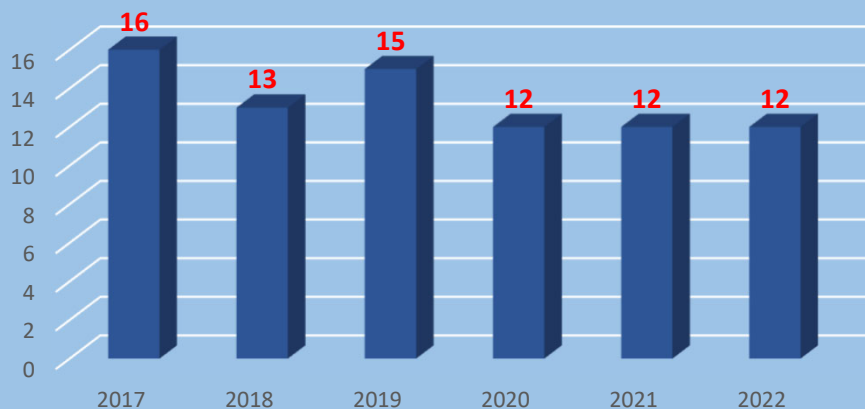
- Cracow Epiphany Conference
- Zakopane School of Physics
- Cracow School of Theoretical Physics
- Multiscale Phenomena in Molecular Matter – MULTIS

❖ Two recent prestigious conferences in 2022: [QuarkMatter 2022](#) i [IM2022/NEUDOS-14](#)

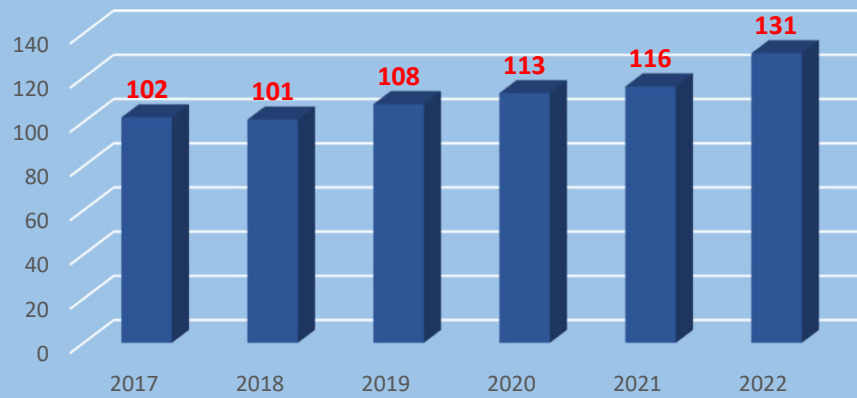
International and Polish Grants (2017-2021)



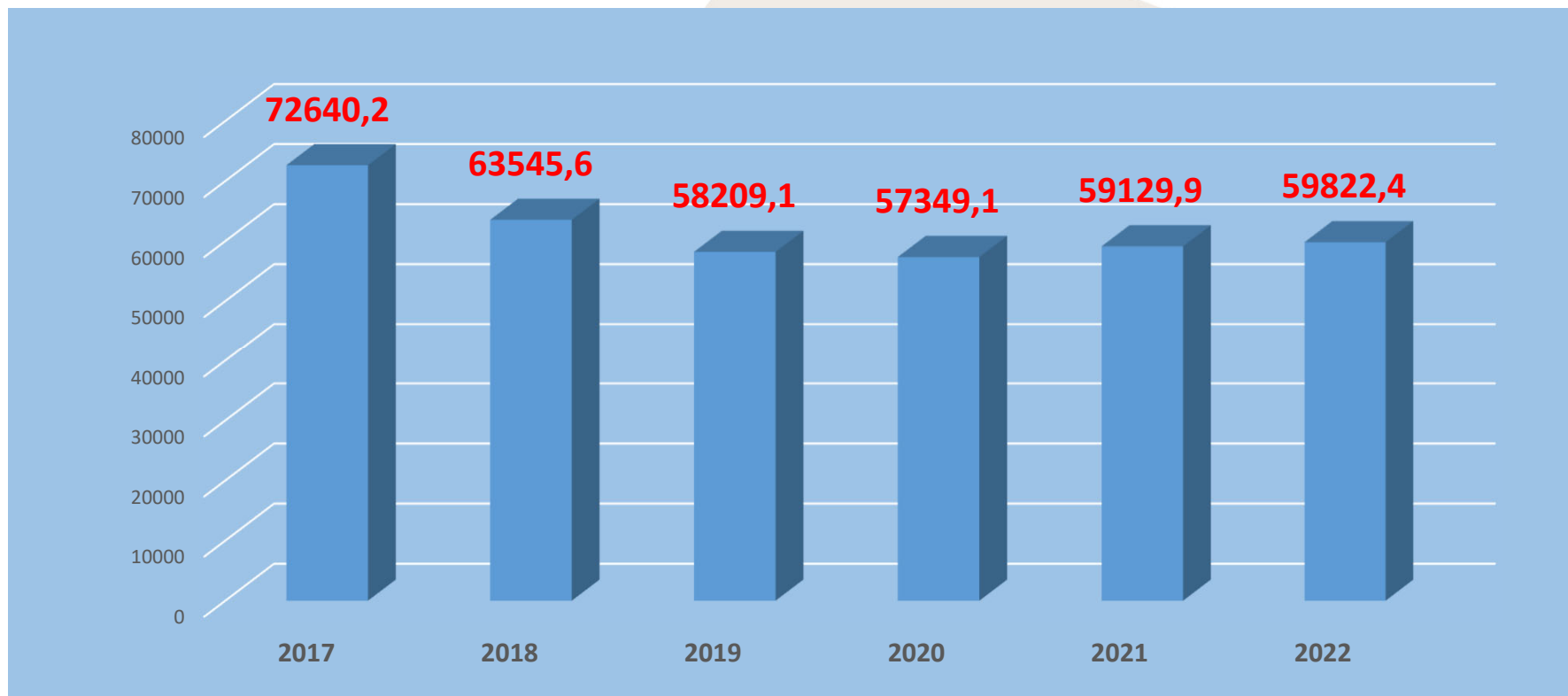
International grants
(EU, F4E, VF, SNF)



National grants
(NCN, NCBiR, FNP, MEiN, NAWA)



- **National subsidy**



- **National grants, European Projects**
- **In-kind contributions to the construction of big research infrastructures (now ESS), protonotherapy, services of accredited labs etc.**



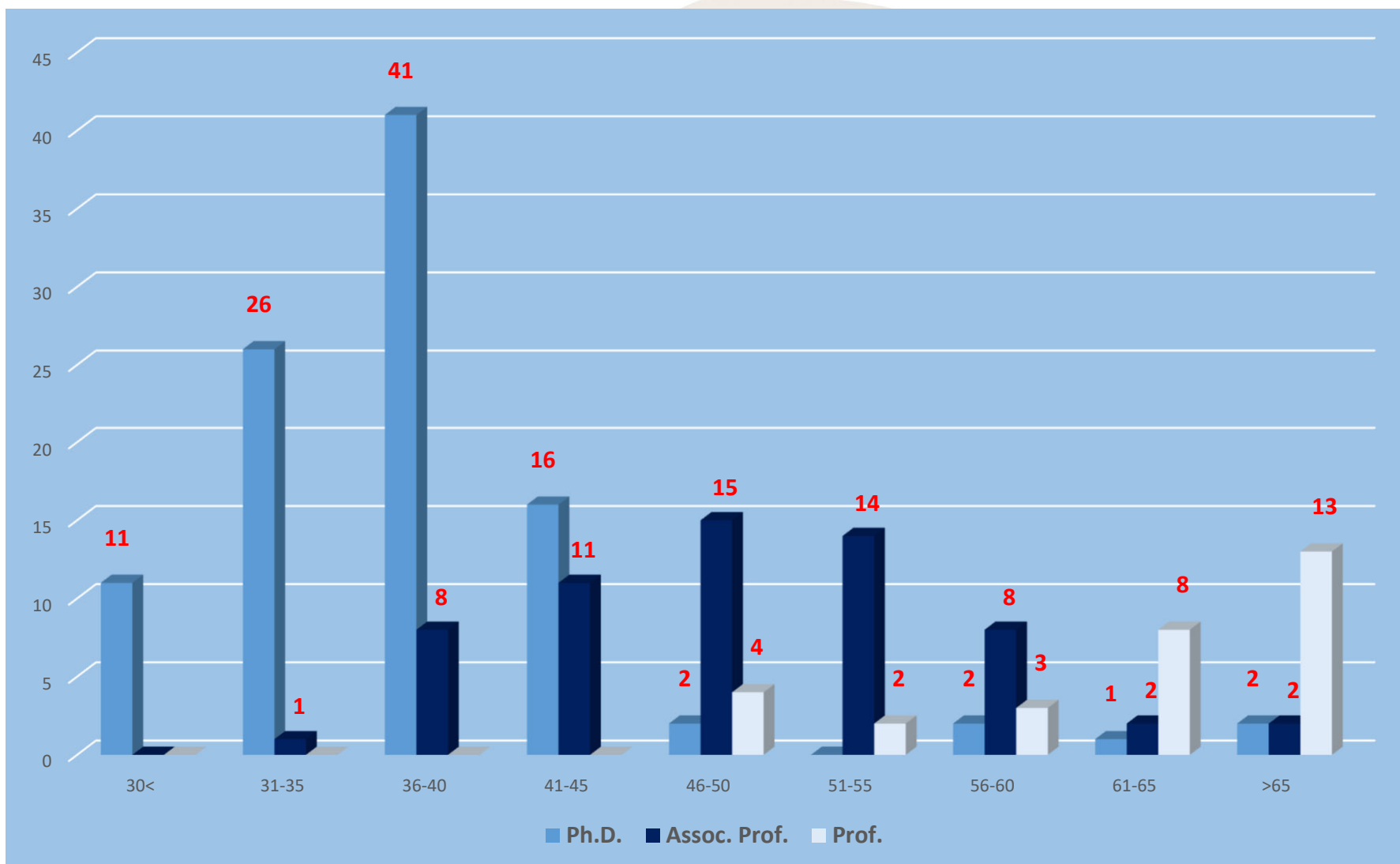
Projects coordinated by the IFJ PAN

1. CCB – Cyclotron Center Bronowice (development, next phase)
2. Centrum of Engineering of Cryogenic Materials
3. ESS - European Spallation Source
4. SPIRAL2
5. Research in particle physics at CERN

Projects with IFJ PAN as a partner, correlated with the national contribution to ESFRI:

1. E-XFEL
2. ELI
3. CTA
4. FAIR
5. ESRF – European Synchrotron Radiation Facility

Age Profile of the Personnel





Underground Low Radiation Background Laboratory

- ❖ Two sites – salt mines in Wieliczka and Bochnia
- ❖ Depth of 200-300 m
- ❖ Calibration of dosimetric equipment, low-level measurements of radioactivity
- ❖ 22.4 mln PLN

Upgrade of the Lab of Spectroscopic Imaging

- ❖ 22 mln PLN

Development of Lab of Nanomaterials for Medicine

- ❖ 17.3 mln PLN

Development of Lab of Advanced Microscopic Imaging

- ❖ 13.8 mln PLN