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Size of the Nuclear Physics Community in Hungary

Membership in the ‘public body’ of the Hungarian Academy of Sciences (HAS) (comprising all PhD-holders who wish to belong to it):

1. Board of Nuclear Physics of HAS

- 5 members of the Academy (2 in Budapest, 3 in Debrecen, each elderly, but all active)
- 89 other members (~ 50 active, doing nuclear physics in Hungary)

2. Board of Radiation Protection, Environmental Physics and Reactor Physics of HAS

- no members of the Academy
- 32 other members of the ‘public body’ (~ 2 working partially on nuclear physics proper)

3. ~ 10 additional nuclear physicists (not members of the public body, or belonging to other boards or with PhD in preparation)

4. ~ 40 – 50 senior nuclear physicists working on other applied research

5. < 10 PhD students (some at Eötvös University, Bp., all in high-energy physics and 3 in Debrecen, nuclear structure and nuclear astrophysics)

- university full professors: 2 in Budapest, 6 in Debrecen, 1 in Pécs
- ‘Doctors of Science’: 27 (13 in Budapest, 13 in Debrecen, 1 in Pécs)
- heads of university departments:
 - 1 at Eötvös University (ELTE), Budapest
 - 1 at Technical University (BME), Budapest
 - 1 at University of Debrecen (DE)
 - 1 at University of Pécs (PTE)
- PhD-programs:
 - Eötvös University (ELTE), Budapest
 - University of Debrecen

Research institutes

- Research Institute for Particle and Nuclear Physics (RMKI), Budapest
- Institute of Nuclear Research (Atomki), Debrecen
- Institute of Isotope and Surface Chemistry, Chemical Research Centre, (KKK), Budapest
- Atomic Energy Research Institute (AEKI), Budapest

- theory of (ultra)relativistic heavy-ion collisions and hadronic physics (6 in RMKI, 2 in ELTE, 3 in DE, 2 in PTE)
- (ultra)relativistic heavy-ion collision experiments at CERN and GSI: 5–10 in RMKI; overlap with particle physicists
- theory of exotic nuclear states: 6 in Atomki
- scattering theory: 4 in RMKI, 1 in BME, 3 in Atomki
- spectroscopy of exotic nuclei: 3 in ELTE (MSU), 3 in KKK (Bp. reactor, Lexington), 1 DE, 15 in Atomki (Atomki, Ganil, Strasbourg, Legnaro, KVI, GSI, RIKEN, RCNP)
- theory of nuclear astrophysics (1 in ELTE)
- experimental nuclear astrophysics: 4 in Atomki (Atomki, Bochum, Gran Sasso, Napoli, RIKEN)
- nuclear reactions for practical purposes: 5 in DE, 5 in Atomki
- all others in various applications (earth sciences, environmental physics, materials science) and in nuclear techniques (detection techniques, nuclear electronics)

Experimental facilities

- cyclotron and Van de Graaff accelerators (and tandem) in Atomki
- nuclear reactors at AEKI and BME
- neutron generator at DE