



**AGH UNIVERSITY OF SCIENCE  
AND TECHNOLOGY**

## **43rd CERN School of Computing. 5.09.2022**

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**AGH Kraków**



- population: 767 348, including 11 919 academic teachers
- population of the metropolitan area: 1 725 894
- 22 universities and higher education institutions, 160 675 students
- about 50 large multinational companies in the city, including Google, IBM, Royal Dutch Shell, UBS, HSBC, Motorola, Aptiv, MAN SE, General Electric, ABB, Aon, Akamai, Cisco Systems Hitachi, Philip Morris, Capgemini, etc.



- 16 departments ; 29 000 students (62 curricula);
- 1000 PhD students; 4200 employees, including 1920 researchers
- Ranked 2nd Technical University in Poland (as of 2022)
- top PL university for the number of produced CEO
- top PL university for number of registered patents
- Cyfronet: Ares and Prometheus supercomputers (217th and 374th on TOP 500 list as of 2021).



**AGH**

## Faculty of Physics and Applied Computer Science



- 136 researchers and teachers-researchers
- 765 students (176 medical physics, 200 technical physics, 389 applied computer science); 79 phd students (physics, computer science)
- our technical physics – ranked 1st for several years  
computer physics curriculum: under preparation

- Departments

- 1 Particle Interactions and Detection Techniques
- 2 Applied Nuclear Physics
- 3 Applied Informatics and Computational Physics
- 4 Condensed Matter Physics
- 5 Medical Physics and Biophysics
- 6 Solid State Physics



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## Particle physics at AGH



- LHC: detector design, software, analysis,
- ATLAS
- LHCb
- NA61/SHINE
- ALICE
- outside CERN: STAR / BNL



- Polish scientific categories of research units
- A+ in 2013 for 2009-2012 (37 A+ of 960 units in PL)
- A+ in 2017 for 2012-2016 (over 60 in PL)
- A+ in 2022 for 2017-2022 shared with the co-organizer: Institute of Nuclear Physics Polish Academy of Sciences
- 2012-2017 Marian Smoluchowski Krakow Scientific Consortium – Leading National Research Centre (KNOW) in physics

- Enjoy Krakow, wishes for stimulating & fruitful school!