

**SCIENCE AND EDUCATION
IN
ALBANIA**

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ALBANIA

- South Eastern European Country
- 3.5 millions of inhabitants
- 28 thousand sqkm
- GDP per capita about 7500 Euros
- Member of NATO, EU Candidate member
- Capital: Tirana, about 500 thousand inhabitants



HIGHER EDUCATION AND RESEARCH

- First Albanian University (Tirana University) founded in 1957
- In 1990 we inherited 8 HEI, all public
- First private HEI started in 2003
- Bologna system installed since 2005
- Now 42 HEI (59!); about 160.000 students
- The financing for education (5+4+3+HE) < 3% of GDP
 - for HE 0.4-0.6 %
 - for research about 0.05%
- The financing per student is about 800 euro/year



PUBLIC HEI

- Public financing about 460 Euro per student/per year
- 15 Public HEI (12 universities), half in Tirana , 6 regional

(Shkodra University)



- About 80% of students
- 700 study programs (270 bachelor)
- Tirana University, the biggest one -- this year about 5000 new bachelor students enrolled

PRIVATE HEI

- Financing about 1100 Euro per student/per year
- 27 (44!) private HEI, 800 study programs, most of them **non accredited**
- About 20% of students
- No natural sciences programs
- **No diploma in physics**



ENGINEERING STUDIES

- Tirana Polytechnic University (TPU)

- The number of new students 2014:
about 1600 (bachelor)



- Study programs, 22 bachelor: Telecommunication, Electronics, Informatics, Electric, Mechanic, Environment, Construction and Architecture, Engeneering of Mathematics and Physics, Textile, Geology

STUDIES IN PHYSICS

6 bachelor programs in physics:

Tirana, Shkodra, Elbasan, Korca, Polytechnic University

650 Students enrolled this year



Master of Physics

Master: Teachers of Physics for High Schools

Master: Engineering of Physics

Masters: Teachers of Physics for Low Schools

PHYSICS IN TIRANA UNIVERSITY

100 students enrolled each year

about 35 diplomas each year in bachelor studies

about 30 in master studies

Department of Physics

28 full time members

Research

Lattice Gauge Theory; Astrophysics; Complex Systems;
Biophysics; Solid State Physics



ACTIVITIES WITH CERN

May 16, 2011, Faculty of Natural Sciences, Tirana University, one day workshop on Large Hadron Collider.

October 8-9, 2012, Tirana University, two days workshop on Recent LHC Results and Related Topics.



Sarajevo School for High Energy Physics, with a continuous participation of Albanian students in 2012, 2013 and 2014 editions. About 7-8 students each year. In 2014, 12 Albanian students
CERN Summer Student Program 2014--one Albanian student