Shopping Sho

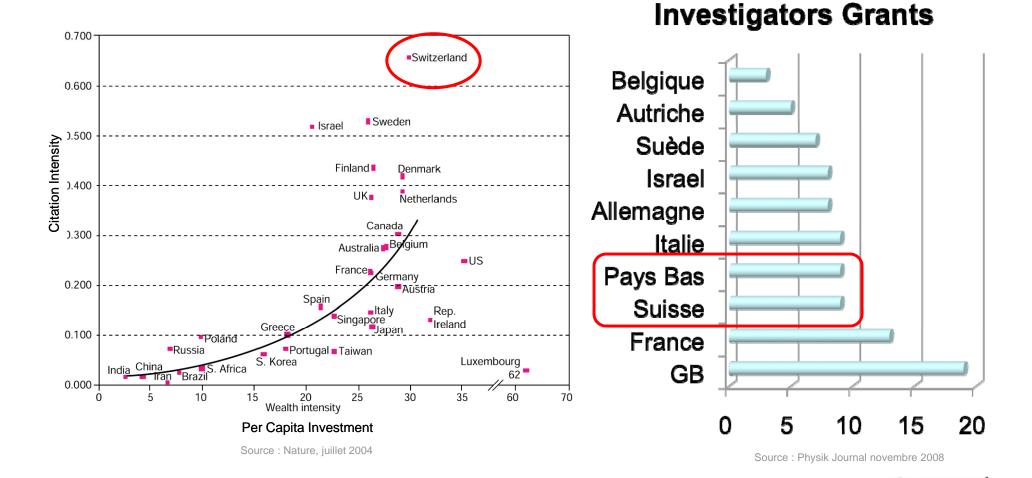
résident de la Section de Physique

SECTION DE PHYSIQUI

Ρ

ERC Advanced

Sciences@CH: Investment and impact



SECTION DE PHYSIQUE

YSIQUE

UNIVERSITÉ DE GENÈVE

Science@UniGe

183 academic collaborators

369 technical collaborators

122 administrative staff

HORIZONS

L'UNIGE en tête des universités généralistes francophones

COMPARATIF Le dernier classement mondial du II met également en avant le rôle leader de l'Ur «Times Higher Education» confirme l'excellente versité de Genève parmi les hautes écoles génér position de la Suisse sur le plan académique

listes francophones

Les universités suisses améliorent globalement leur position dans le classement mondial des universités rendu public le 30 octobre par le Times Higher Education (THE), I'un des lus médiatisés du genre L'UNIGE ne si l'on met à part l'Ecole norma e supérieure de Paris, dont l'entrée est soumise à concours l'UNIGE est galement l'université cantonale la leux classée de Suisse

RAYONNEMENT INTERNATIONAL «Ce résultat est d'autant plus remarquable, commente Claus Haessig, responsable du secteur recherc

+16% new students 2008 1850 students, including >500 doctoral students

495 diplomas delivered in 2007

161 Bachelors

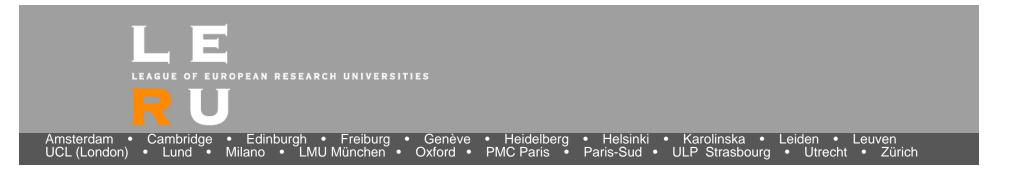
117 professors

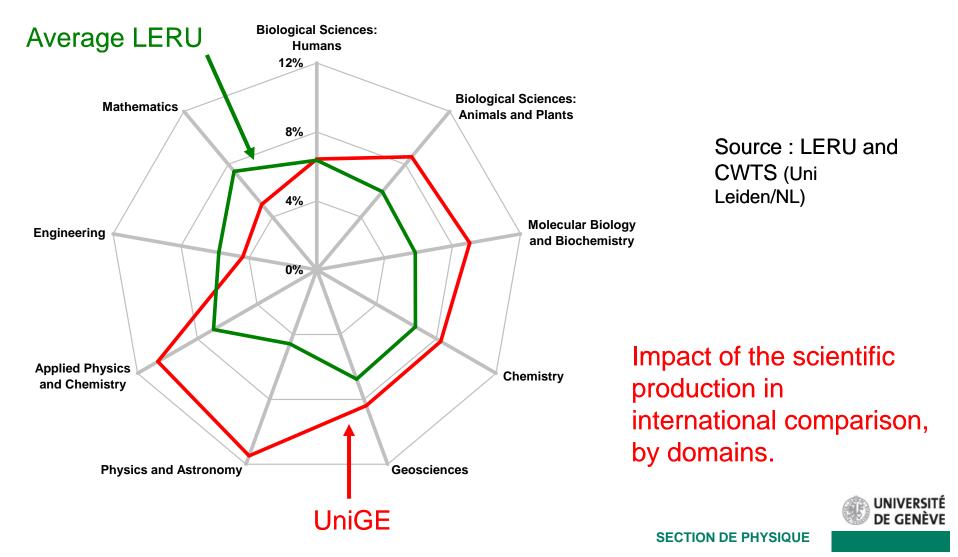
549 assistants

- 202 Masters and post-graduate certificates
- 96 PhDs
- 150 MChf budget per year

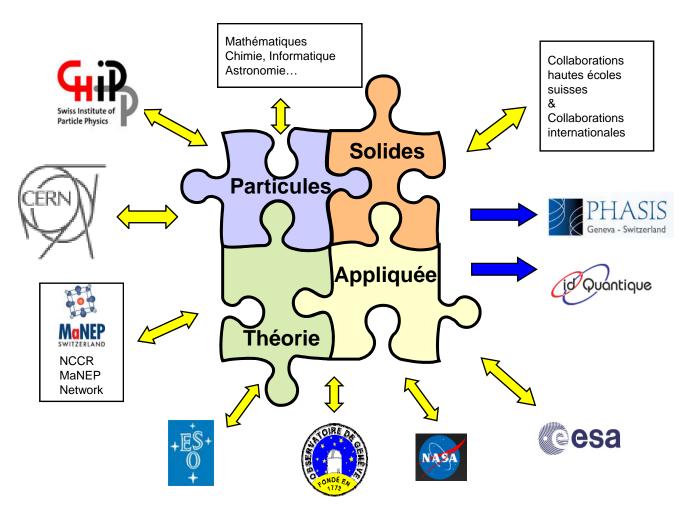








The UniGe Physics Department

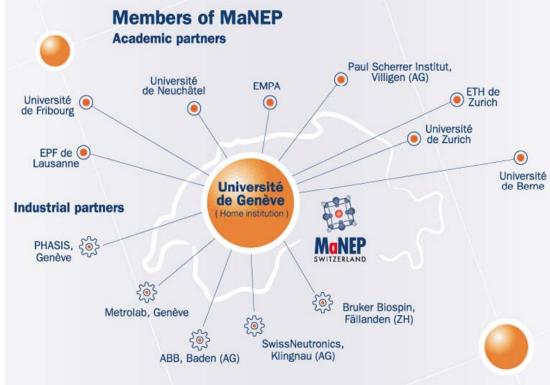


- 25 professors and 11 senior staff
- 170 scientific staff
- 96 administrative and technical staff
- ~170 students, ~80
 PhD students
- Total budget 27.5 MChf, 35% third party
- Intensive collaboration with internal and external partners





Materials with Novel Electronic Properties



- National pole of excellence in research of the FNRS since 2001
- 10 institutions, 6 industrial partners, ~300 scientists
- Leading house: University of Geneva, Physics Department
- Annual budget 15 MChf,
 1/3 from FNRS

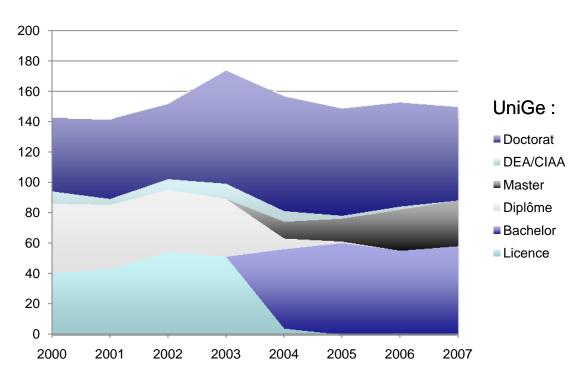


CH student statistics for 2007/08

Total number of physics students 2007/8:	2
of which are women	
of which have foreign nationality	

Total number of physics PhD students of which are women

Total number of particle physics experimental PhD students 89



399 `	constant since ma 18% <mark>37%</mark>	any years)
724 154	21%	

Recent example: +16% new science students in 2008 at UniGe

New peak or sustained growth?



The Bologna System:

Constructs a European space of higher education:

- Mutual recognition of university degrees: bachelor, master, PhD
- Free exchange of students between participating universities
- System of ECTS credits for courses, obligatory evaluation
- Simplifies process of equivalences when one changes university
- ERASMUS program encourages this exchange

Swiss Universities participate in the Bologna system basically since its creation



Studying Physics in Geneva

Studying physics is difficult but worth while!

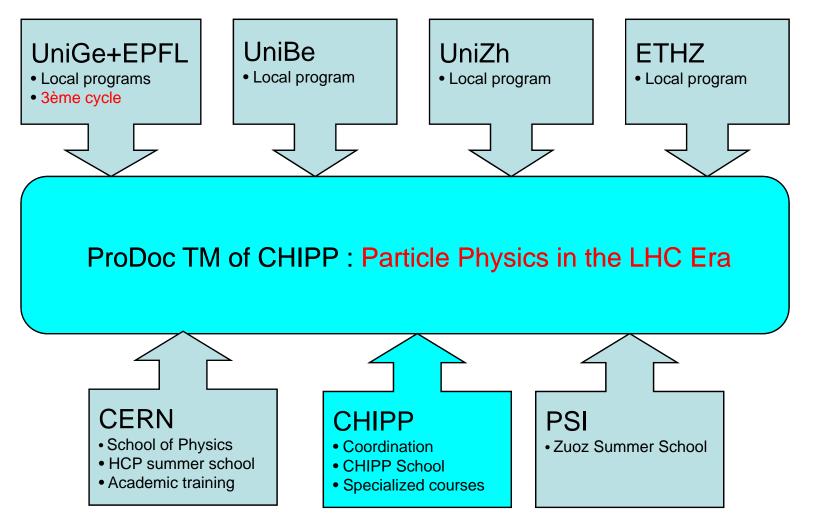
And we are there to make it worth your while:

- Excellence in education and research
- Enthusiastic teaching staff
- Open and active teacher-student relations
- Up-to-date didactic material
- Experimentation and new applications of physics
- Large choice of specializations

Competitive at European and world-wide scale...



Project: Cooperation in doctoral studies





Enhance physics teaching in secondary education

- Regular fresh-up summer courses for physics teachers
- Organised on Cantonal level (like school system)
- Few chairs for Didactics of Science:
 - Geneva (Physics, Life Science)
 - Basel (Physics)
 - Fribourg (Science)





Conclusions:

- Switzerland is an excellent place to do science
- Geneva is a lively place, where students, teachers and researchers work together in close collaboration
- Striving for excellence in research and teaching, competitive at the national and international level
- Bologna system implemented early, international atmosphere
- Unusually large fraction of doctoral students
- Action to federate teaching at PhD level
- Action towards young people, school teachers and general public
- Action to attract even more foreign students, especially at master level



