Report on Student, Fellow and Associate Programmes

• Summer Students
• Technical & Doctoral Students
• Fellows
• Associates

SUMMER STUDENTS
Summer Student Programme 2002

* 649 Applications received
* 145 Appointments
* 26 Different Nationalities
* 6 non Member States: Ireland, Israel, Mexico, South Africa, Thailand, Turkey, US

Total Applications and Total Students (1995 – 2002)

~Same number of students foreseen for 2003
Summer Student Activities 2002

**Lecture Programme** (3 July 2002 – 9 August 2002)

**Student Sessions**
Students give a lecture about their work

**Poster Session**
Students present a poster about their work

**Visits**
1. CMS
2. PS / Antiproton Decelerator

**Workshops**
West area test beam facility, Mirrors and light, Quantum Efficiency, Slow controls – real time programming, X- and Gamma- Ray detection with a Hybrid Photomultiplier Tube…

**Report**
Students produce a report about their work at CERN. Reports are read by head of the Lecture Programme Committee (Lydia Iconomidou-Fayard)

**Questionnaire**
LECTURE PROGRAMME

Introduction to Particle Physics for non Physics Students
Introduction to CERN
Particle Detectors
Fundamental Concepts of Particle Physics
Particle Detectors
Classic Experiments
Standard Model
Accelerators
Trigger and Data Acquisition
Beyond the Standard Model
Astroparticles
Experimental test of the SM (LEP, Tevatron)
Basic Science, Society and Technological Innovation
The CLIC Concept for a Future Particle Collider at the Energy Frontier
Ultrahigh Vacuum Technology
Isolde
Radiation Protection

Summer Student Lecture Programme 2002
Lecture Content: Average score by lecturer

Average: 3.92

5 very interesting
4 interesting
3 of some interest
2 uninteresting
1 completely uninteresting
Summer Student Lecture Programme 2002
Lecture level: Average score by lecturer

Average: 3.01

Summer Student Lecture Programme 2002
Presentation: Average score by lecturer

Average: 3.79
Students about their work 2002

119 replies / 145 students

<table>
<thead>
<tr>
<th>Students about their work</th>
<th>totally disagree</th>
<th>partially disagree</th>
<th>do not know</th>
<th>partially agree</th>
<th>totally agree</th>
</tr>
</thead>
<tbody>
<tr>
<td>For the most part, this summer job met my expectations</td>
<td>2%</td>
<td>10%</td>
<td>3%</td>
<td>37%</td>
<td>49%</td>
</tr>
<tr>
<td>The work was closely related to my main field of study</td>
<td>8%</td>
<td>18%</td>
<td>8%</td>
<td>34%</td>
<td>33%</td>
</tr>
<tr>
<td>My main task was programming</td>
<td>23%</td>
<td>12%</td>
<td>2%</td>
<td>34%</td>
<td>29%</td>
</tr>
<tr>
<td>Just about any student could have done my work</td>
<td>8%</td>
<td>36%</td>
<td>24%</td>
<td>20%</td>
<td>11%</td>
</tr>
<tr>
<td>The job was adapted to my level of knowledge and experience</td>
<td>18%</td>
<td>0%</td>
<td>7%</td>
<td>34%</td>
<td>40%</td>
</tr>
<tr>
<td>The workload was much too heavy for me</td>
<td>49%</td>
<td>34%</td>
<td>10%</td>
<td>5%</td>
<td>2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Benefit from work for studies</th>
<th>yes</th>
<th>no</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did the type of work deepen your understanding of your field of study?</td>
<td>89%</td>
<td>11%</td>
</tr>
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</table>

Statistics 1999 – 2002

➢ For the most part, this summer job met my expectations

➢ Did the type of work deepen your understanding of your field of study?
Number of students foreseen for 2003: ~ -10%
Applications by Country since 1998

Candidates/Selected by Country since 1998
Number of fellow candidates and available positions from 1995 to 2002

Fellow applications by country since 98
Fellow applications received in TH, EP and AP since 1996

Fellows "Selectivity level" by discipline
(number of available positions/number of applications)
Candidate and Selected Associates in 1998-2002
Selectivity rates for Associates in 1996-2002

Nationality distribution for MS Associates (PDAS+CASS) in 1998-2001
Nationality distribution for NM Associates in 1998-2001

Budget  F&A Programmes
Medium-Term Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>2002</th>
<th>2003</th>
<th>2004-2010</th>
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<tbody>
<tr>
<td></td>
<td>31.1</td>
<td>28.7</td>
<td>25.6</td>
</tr>
<tr>
<td></td>
<td>(31.9-3.2)</td>
<td>(31.9-6.3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>~ -10%</td>
<td>~ -20%</td>
<td></td>
</tr>
<tr>
<td></td>
<td>~ -5% (F)</td>
<td>~ -10% (F)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>~ -20% (A)</td>
<td>~ -40% (A)</td>
<td></td>
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</tbody>
</table>
Gender distribution FAS Programmes

Candidates F/Tot

Appointed F/Tot

Summer Students
Doctoral & Technical Students
Fellows
Paid & Corresponding Associates

0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1998 1999 2000 2001

1998 1999 2000 2001