Advanced Training

Jornadas do LIP

Coimbra, 2022

Nuno Castro, Sofia Andringa

training @ lip.pt

estagios @ lip.pt

Congratulations!

12 PhDs since the last jornadas!!

Miguel F. Moita, Coimbra, 2/3/2020
João Marcos, Coimbra, 12/6/2020
Ricardo Luz, IST, 29/07/2020
Oleksii Toldaiev, IST, 02/11/2020
Giles Strong, IST, 22/12/2020
Paulo Braz, Coimbra, 24/02/2021
Joaquim P. Kessongo, UBI, 08/06/2021
Emanuel Gouveia, Minho, 22/07/2021
Ana Peixoto, Minho, 14/09/2021
Tiago Vale, Minho, 24/20/2021
Yoenls Bahu, UBI, 15/11/2021
Maria Ramos, Minho, 29/01/2022

6 masters still in 2020 (all at LIP)

Ricardo Barrué, IST, 08/04/2020

Maura Barros, Minho, 19/11/2020

Joana Antunes, FCUL, 25/11/2020

João M. da Silva, Coimbra, 26/11/2020

Luís Coelho, Coimbra, 26/11/2020

Joana Mingacho, Coimbra, 01/12/2020

6 masters already in 2022

Nísia Fernandes, FCUL, 05/02/2022 Matilde Santos, FCUL, 14/02/2022 André Torcato, FCUL, 14/03/2022 Francisco G. Barba, FCUL, 22/04/2022 Ana Maia Fernandes, UBI, 08/05/2022 + Carlota Cardoso, IST, 04/07/2022

a total of 19 masters in 2021!!

Beatriz Pereira, IST, 18/01/2021 SI Guilherme Soares, IST, 26/01/2021 João Martins Silva, IST, 28/01/2021 Manuel Xarepe, FCUL, 29/01/2021 Ricardo Cabrita, Coimbra, 30/03/2021 Tiago Gonçalves, Minho, 28/05/2021 Andrey Solovov, Coimbra, 21/07/2021 Maria Faria, IST, 24/10/2021 Gabriel Salgado, Coimbra, 04/11/2021 Cristiana Rodrigues, FCUL, 15/11/2021 Nuno Fernandes, IST, 17/11/2021 João Ribeiro, Coimbra, 18/11/2021 Pedro Costa, IST, 26/11/2021 Alexandra Fernandes, Minho, 26/11/2021 Miguel Martins, IST, 26/11/2021 Laura Peres, IST, 26/11/2021 André Cordeiro, IST, 06/12/2021 Susana Castanheira, Coimbra, 07/12/2021 Ricardo Silva, FCUL, 11/12/2021

LIP students

| | | TOTAL | IST | FCUL | Lisboa | Coimbra | Minho | Other | |
|--------|------------|-------|---------|------|--------|---------|-------|-------|-----|
| PhD | 2022 | 50 | 25 | 10 | 35 | 7 | 4 | 4 | |
| | | | 50% | 20% | 70% | 14% | 8% | 8% | |
| | M | 33 | 20 | 3 | 23 | 5 | 2 | 3 | 66% |
| | Ě | 17 | 5 | 7 | 12 | 2 | 2 | 1 | 34% |
| | % <u>F</u> | 34% | 20% | 70% | 34% | 29% | 50% | 25% | |
| | non-PT | 8 | 6 | 1 | 7 | 1 | 0 | 0 | 16% |
| | 5 years | 78 | 30 | 16 | 46 | 14 | 7 | 11 | |
| Master | recent | 30 | 10 | 8 | 18 | 8 | 3 | 1 | |
| | | | 33% | 27% | 60% | 27% | 10% | 3% | |
| | M | 18 | 7 | 4 | 11 | 6 | 1 | 0 | 60% |
| | Ĕ | 12 | 3 | 4 | 7 | 2 | 2 | 1 | 40% |
| | % <u>F</u> | 40% | 30% | 50% | 39% | 25% | 67% | 100% | |
| | @ LIP | 17 | 7 | 5 | 12 | 3 | 2 | 0 | 57% |
| | 5 years | 141 | 44 | 27 | 71 | 37 | 14 | 19 | |
| Intern | 2022 | 81 | 16 | 22 | 38 | 20 | 10 | 13 | |
| | | | 20% | 27% | 47% | 25% | 12% | 16% | |
| | M | 53 | 15 | 12 | 27 | 13 | 6 | 7 | 65% |
| | Ĕ | 28 | 1 | 10 | 11 | 7 | 4 | 6 | 35% |
| | % <u>F</u> | 35% | 6% | 45% | 29% | 35% | 40% | 46% | |
| | | | 12 PIC? | | | | | | |
| Intern | 2021 | 89 | 26 | 17 | 43 | 13 | 14 | 19 | |
| | | | 28% | 23% | 51% | 25% | 11% | 13% | |
| | M | 60 | 17 | 10 | 27 | 10 | 10 | 13 | 67% |
| | Ĕ | 29 | 9 | 7 | 16 | 3 | 4 | 6 | 33% |
| | % <u>F</u> | 33% | 35% | 41% | 37% | 23% | 29% | 32% | |

→ large fraction at IST, some abroad
 → international PhD programs
 → 1/5 of them from Summer Internships Increase of master students at LIP 39 (2017) ... 56 (2019) ... 88 (2021) ...

no big disruption from pandemia

increase of non-summer internships?

around 1/3 of our PhD students!

aim to work closer with Universities!

T. Peña, D. Galaviz, F. Santos, A. Onofre + master students at IST, FCUL, Coimbra, Minho

Diversity & gender





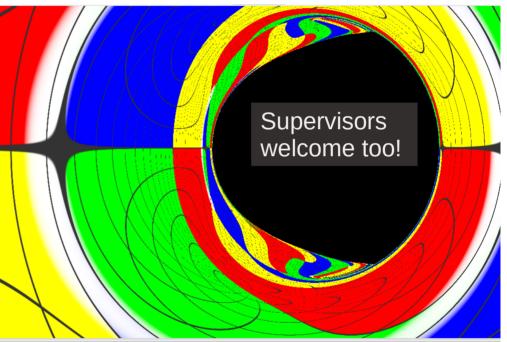
Talk on Women in Physics + Debate on Diversity in Physics 6th IDPASC PhD student workshop, online, June 2020 following the global academic strike against racism

Take care of communication and visibility!

Events with less than 1/3 of women show a distorted picture of us!

LIP/IDPASC student workshop





PhD grants & IDPASC

graduate programs managed by LIP

IDPASC / LIP run FCT funding programs

2 x 6 grants PT-CERN physics

2 x 3 grants PT-CERN technology

2 x 5 grants ProtoTera

coordination of (nat) DAEPHYS & (int) IDPASC

International network

Portugal, Spain, Italy, France, Croacia, Check Republic, Brazil, CERN, EGO,...

Interdisciplinary network

LIP / IDPASC PhD student workshops!

Programs follow FCT rules eg. prior recognition of foreign degrees

Communication of PhD programs mostly LIP

PROTOTERA Call 2021/2, Final Results in March 2022

9 proposals on Medicine, Technology & Physics: 3 from LIP (33%):

6 grants awarded, 1 rejected, 1 student at LIP (+ 5 from previous calls!!)

PT-CERN Call 2022/1 for 6+2 grants, closed end of May

57 proposals on Particle & Astroparticle Physics: 28 (49%) from LIP

5 proposals on R&D of Related Technologies: 5 (100%) from LIP

new formats from pandemic times



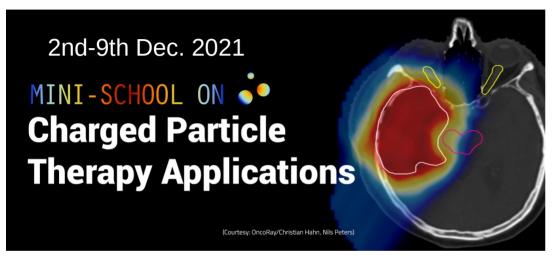
IDPASC course on Physics at the LHC was kept online during the pandemic period 20 virtual 1.5h sessions March-May 2022

9th IDPASC school (2019) in Otranto

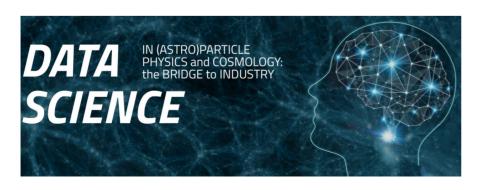
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10th IDPASC school (2021) Online 11th IDPASC school (2022) in Olomouc

increasing interdisciplinarity







1st edition in Lisboa in 2018 2nd edition in Minho in 2019

3rd edition in Coimbra, last week!

LIP Internship Program

Thanks to Nuno Leonardo, who included everybody on-board!

Projects from *almost* all LIP groups > 50 LIP-STUDENT useful papers

Lectures on the several research lines Extensive tutorials on common tools, machine learning, science communication

2022 program back to in-person mode

supervisors to meet students on monday

please join in the tutorial chats

thanks to Rute + Raul + Alex + Hugo







