

# Participants feedback on ASP2021

Kétévi A. Assamagan (BNL),

Mounia Laassiri (Mohamed V University, Morocco)

Temitope Adenuga (University of Ibadan, Nigeria)

# ASP2021, July 19-30, 2021 — Online Event

- **Scientific Program details**

- <https://indico.cern.ch/event/812393/timetable/?view=standard>

- **Eligible participants**

- 101 students selected for ASP2020 (canceled because of COVID-19)
- Event rescheduled online as ASP2021
- Online event extended to other interested folks— upwards of 200 registrations

- **Actual participations — Peak daily engagements**

- Maximum 70;
- Average: 56

- **Number of survey respondents: 94**

# Lecturers & Participants



## THE SIXTH BIENNIAL



African School of Fundamental  
Physics and Applications

July 19-30, 2021

## Virtual Edition



[www.africanschoolofphysics.org](http://www.africanschoolofphysics.org)





Mounia Laassiri

fabien



Ketevi Adikle Assamagan

Asmaa Aboulh...

Ny Ando RALITERA

Stacyann Nels...

Sanae Ezzarqt...



Mohamed Saleck (Mauritania)



Ange Benise NIYIKIZA



Kondwani CC Mwale (Malawi)



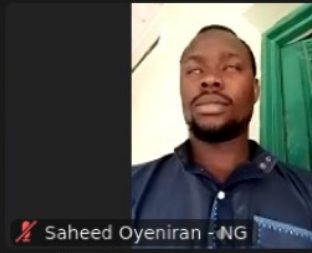
Rado Fanantenana Razakamiandra



Christine Darve



Kalliopi Kanaki



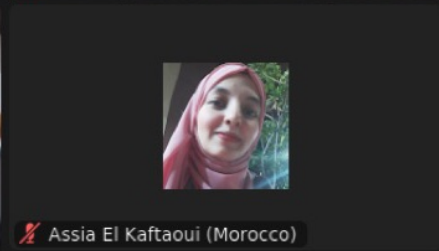
Saheed Oyeniran - NG

khouloud chika

Mohamed Belf...



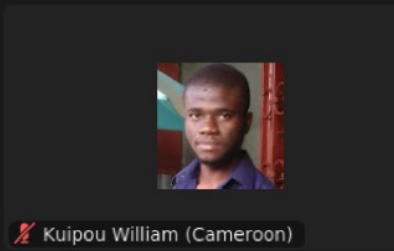
Joyful Mdhluli (South Africa)



Assia El Kaftaoui (Morocco)



Gauthier MAFUT...DAMA (DR Congo)



Kuipou William (Cameroon)



Abderrazaq El Abassi

Muhammad sa...

Felix HAMANN

first one.

Zainab soumai...

Toivo Samuel ...

JOHANNE NAA ...

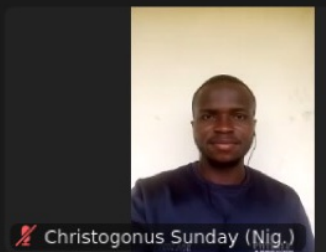
Montassar



Hamza Abouabid



Jamal Al Zain



Christogonus Sunday (Nig.)

Bénédicte Kal...

Mohamed Zaa...



Kayode Ayodeji DADA (NIGERIA)

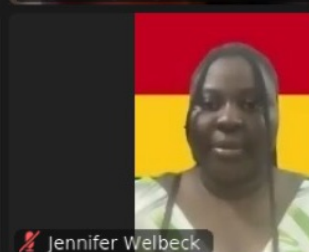
Zakaria Dahbi

sebihi rajaa



Jean Baptiste Fankam Fankam

Lucien Nkayilu



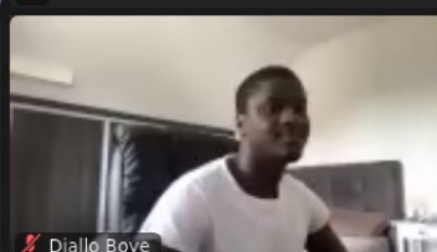
Jennifer Welbeck

TOGHRAI TAHIR

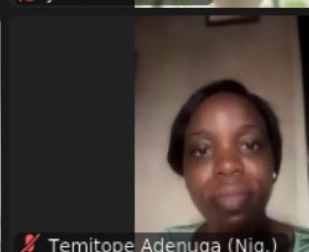


Rafik Er-Rabit (Morocco)

Soumaya Manai



Diallo Boye



Temitope Adenuga (Nig.)

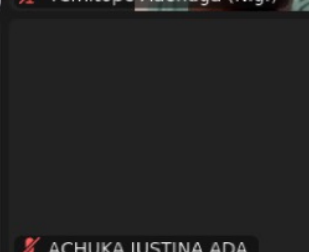


Dalia Mohamed (Egypt)

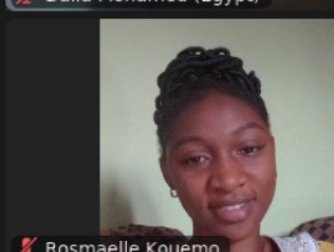
mourad hidaoui

Francisco Mac...

Olaiya Olokun...



ACHUKA JUSTINA ADA








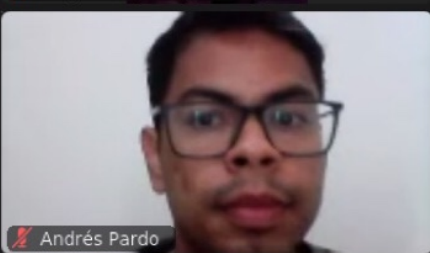




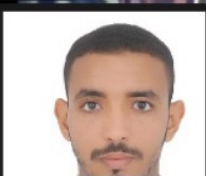
















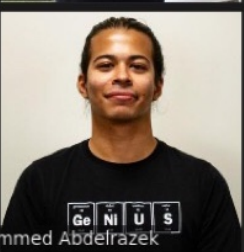





Rosmaelle Kouemo

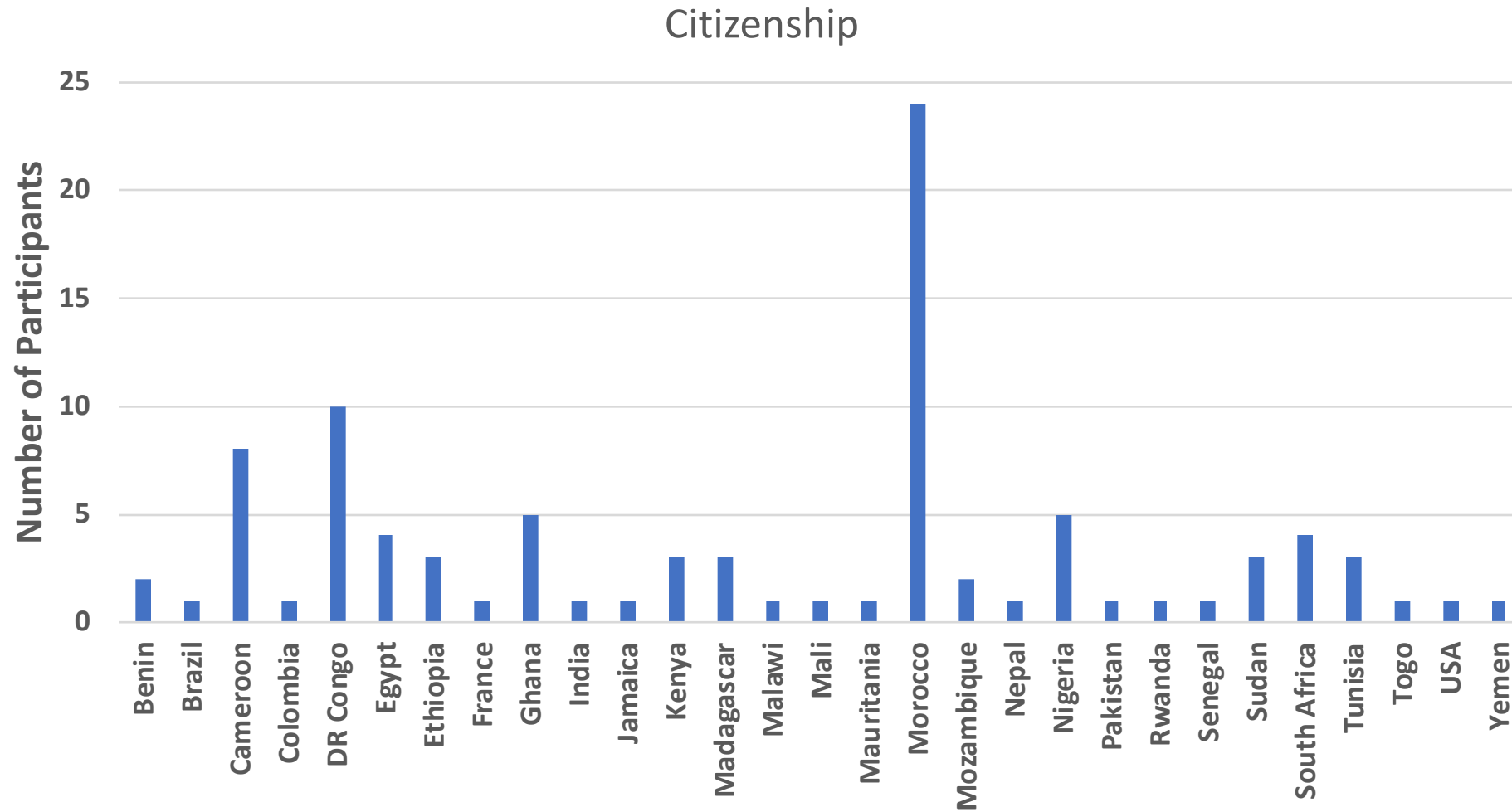


Stephen Nyaranga (Kenya)



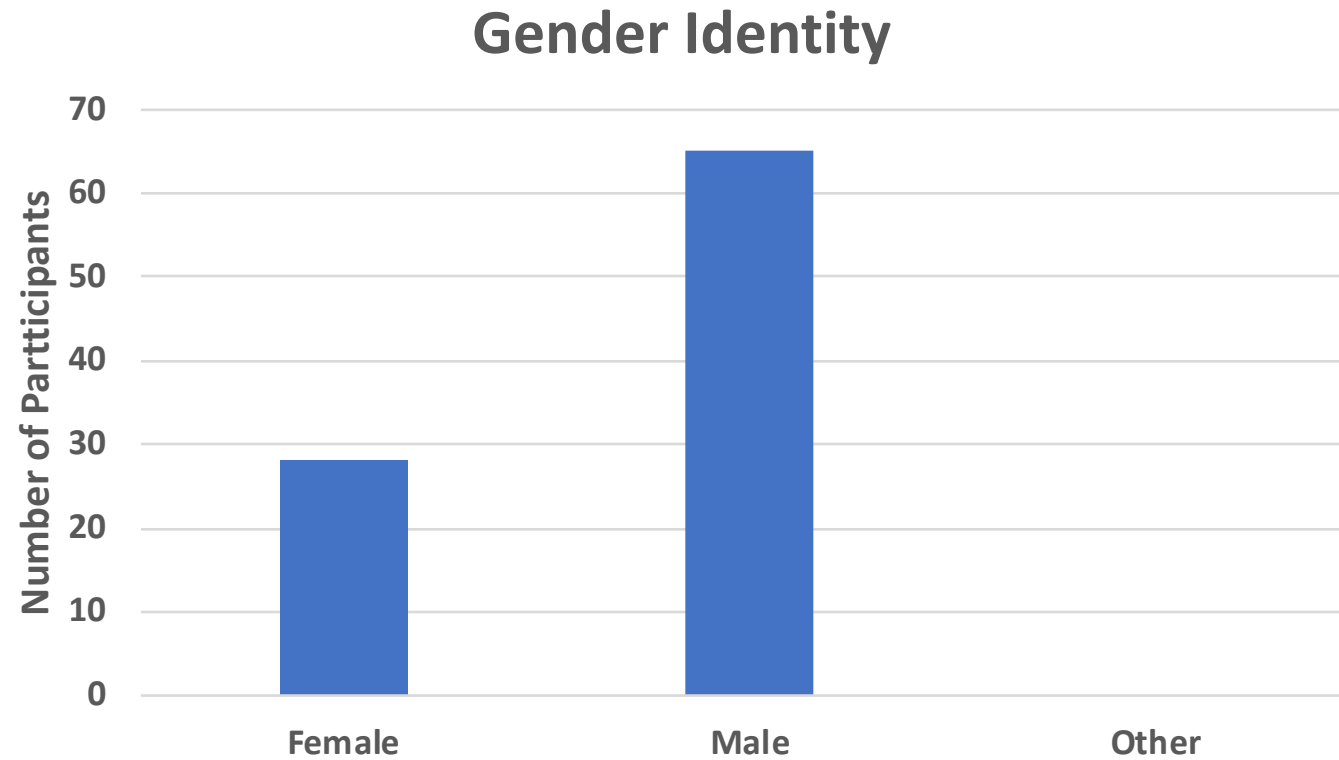
 <p>Mounia Laassiri (Morocco)</p>	 <p>Daniel Ayuk Mbi Egbe</p>	<p>Fadwa BENAB...</p>	<p>Esraa_235</p>	 <p>Temitope Adenuga (Nig.)</p>
 <p>Yilak Alemu Abbo</p>	<p>Stacyann Nels...</p>	<p>Mohamed Belf...</p>	 <p>Stephen Nyaranga (Kenya)</p>	<p>sOUAD BATLA...</p>
 <p>Mourad Telmini</p>	 <p>Asmaa Aboulhorma(Morocco)</p>	<p>TOGHRAI TAHIR</p>	 <p>Andrés Pardo</p>	<p>Sanae Ezzarqt...</p>
 <p>JOHANNE NAA AYELEY EKUE</p>	 <p>Tjaart Krüger</p>	<p>Sonia Haddad</p>	 <p>Rado Fanantenana Razakamiandra</p>	 <p>Zakaria Dahbi</p>
<p>Yassine El Gha...</p>	 <p>Mohamed Chabab</p>	 <p>Okay, I'm gonna take the first one.</p> <p>Mohamed Chabab</p>	 <p>Zainab Soumairi</p>	 <p>Sanae Samsam</p>
<p>Abderrazaq El Abassi</p>	<p>Jennifer Dina Dedei Welbeck</p>	<p>khouloud chika</p>	 <p>Kondwani CC Mwale (Malawi)</p>	 <p>Rafik Er-Rabit</p>
<p>Ibrahima DIAW</p>	 <p>Essossolim Cyrille HALIYA</p>	 <p>Christogonus Sunday</p>	 <p>ABAKWAM KENNEDY</p>	 <p>Ketevi Adikle Assamagan</p>
 <p>Kayode Ayodeji DADA (NIGERIA)</p>	 <p>Assia El Kaftaoui</p>	 <p>Ali Alaa Hassan</p>	 <p>Mounia Laassiri (Morocco)</p>	 <p>Diallo Boye</p>
 <p>Somiealo Azote</p>	 <p>Christine Darve</p>	<p>Dalia Mohame...</p>	<p>Gauthier MAFUT...DAMA (DR Congo)</p>	 <p>Mohammed Abdelrazek</p>
 <p>Jamal Al Zain</p>	<p>fabien</p>	 <p>Ny Ando RALITERA</p>	 <p>Saheed Oyeniran</p>	<p>Temitope Adenuga</p>

# Country of citizenship

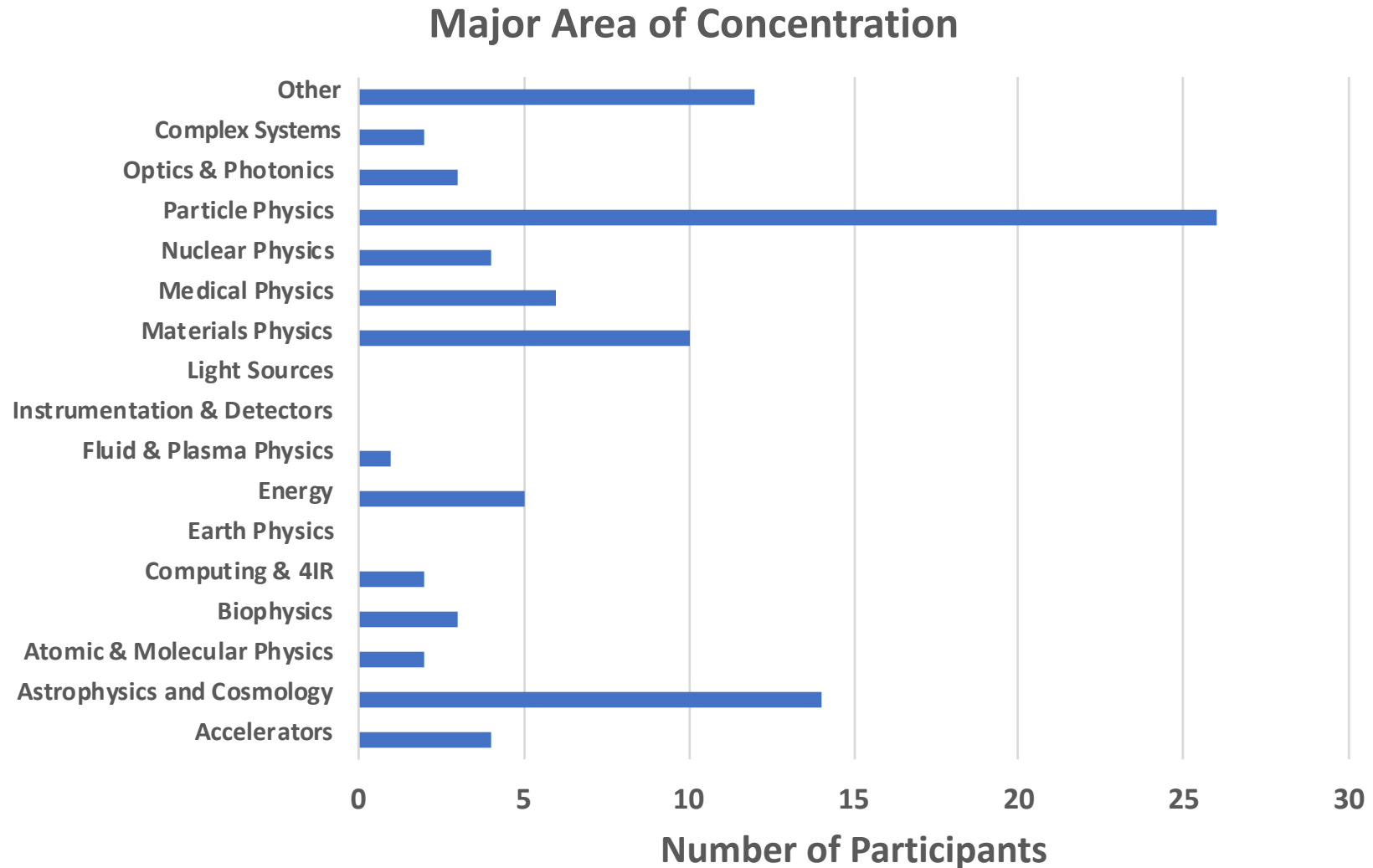




# Gender distribution

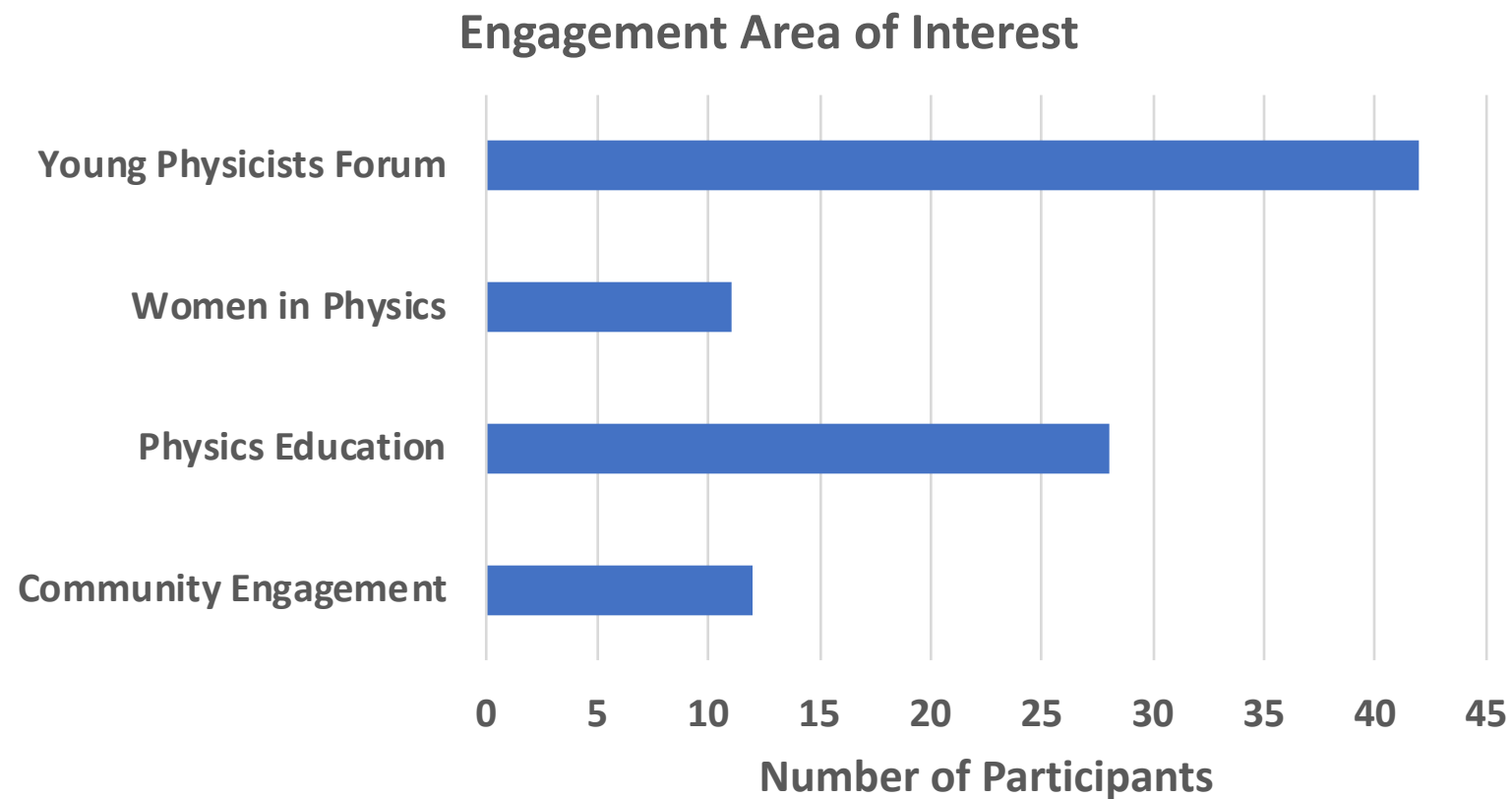


# Concentrations

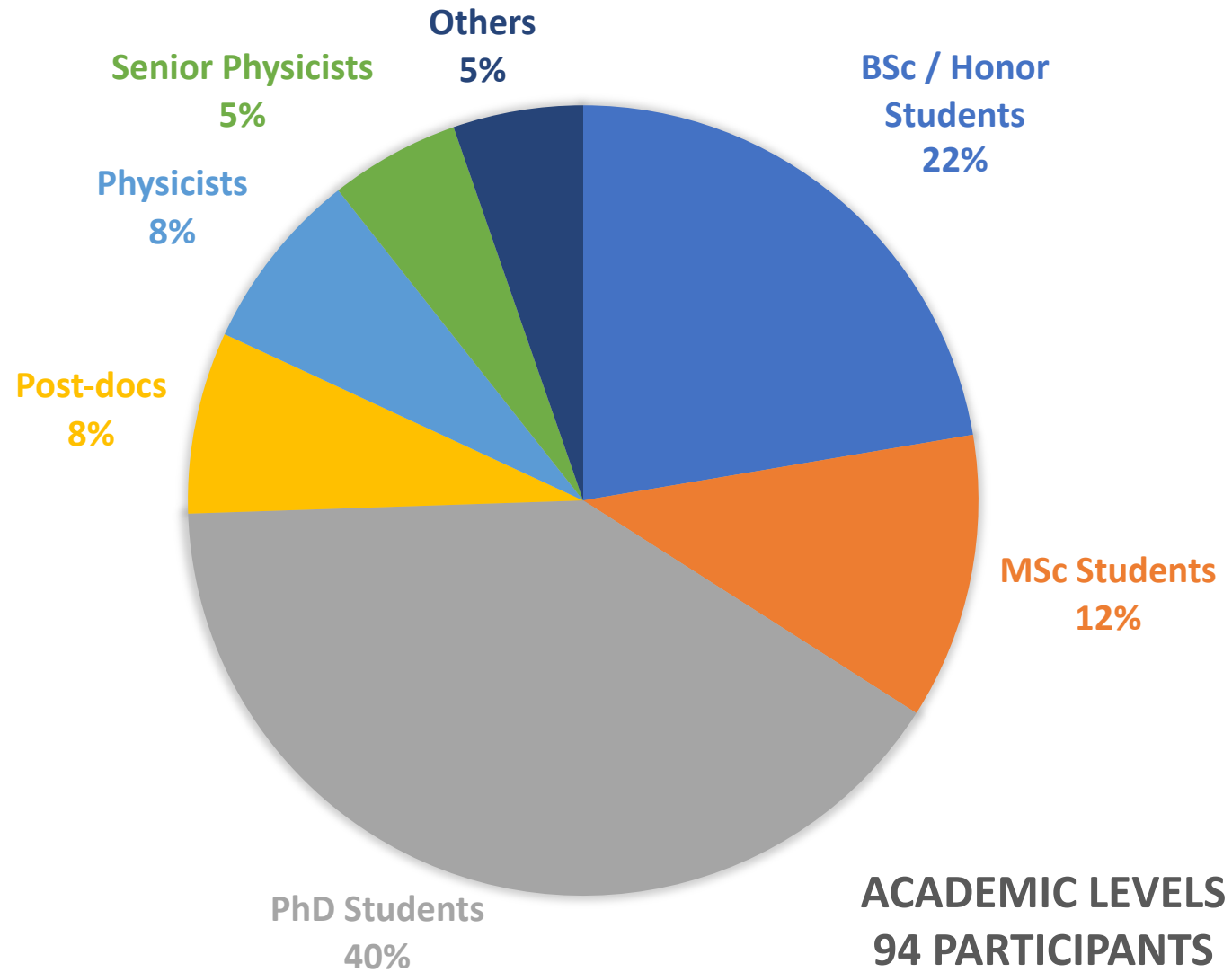




# Engagement

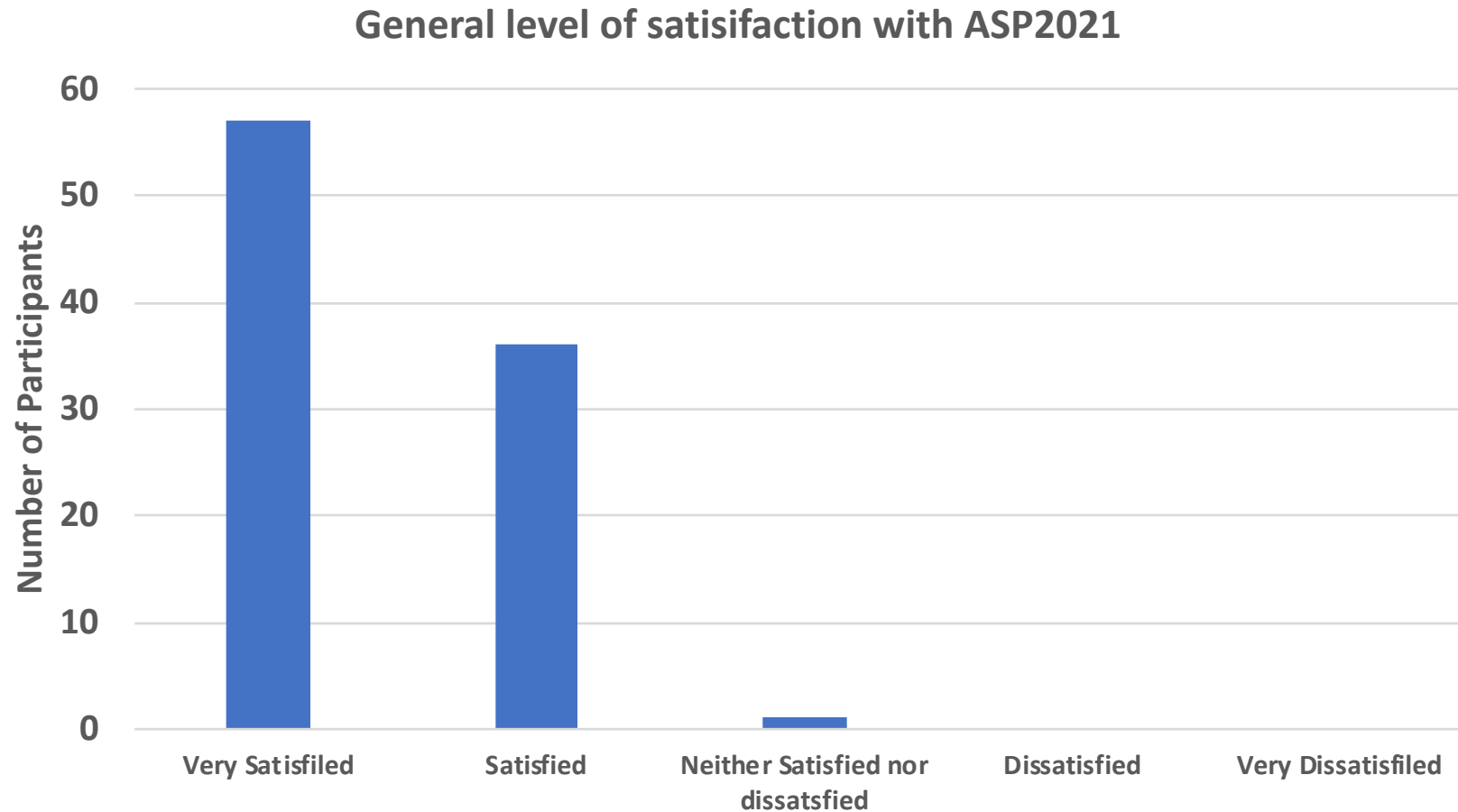


# Professional Standings

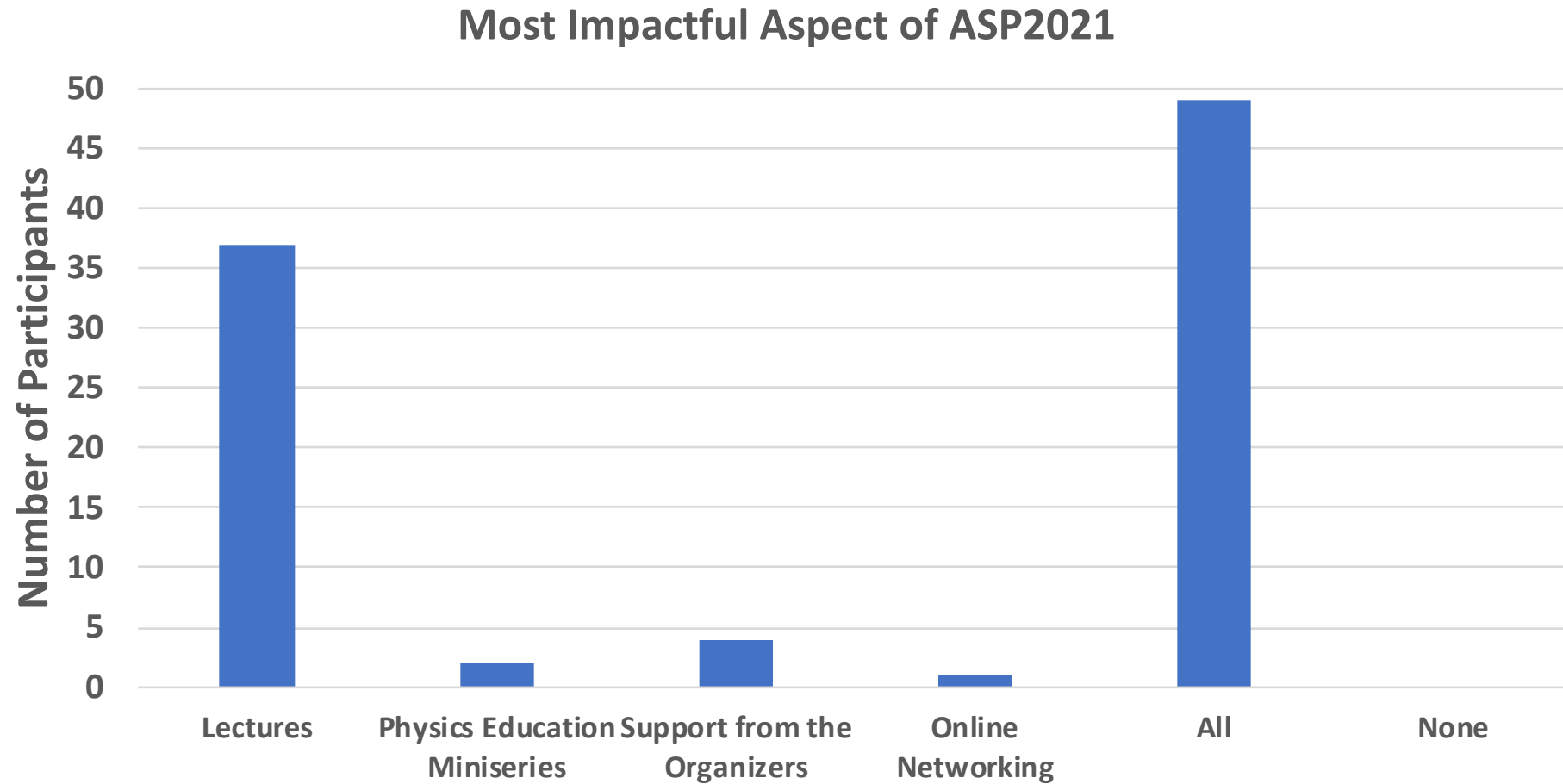




# Satisfaction



# Impactful aspects ASP2021





## Suggestions for improvement of ASP — Open-Ended Response

Add some workshops and make more interactive the lectures

Allow the student and Young researcher to present their works

The day was long, I guess it would have been better to have half an hour lectures instead of an hour and shorter breaks like 10 minutes breaks.

Everything is good, thank you for this initiative.

Diversify areas

The seminar was good however it would be better if it was not virtually. I suggest that students from bachelor lever can also have time to present their final year projects.

Give more importance to computer science

More Hands on sessions

I hope that in the next ASP that the language of the participant is taken into account if this happens online, provide an interpreter for better understanding.

You have to give the participant chance to interact with each other

Introduce some lab session

Using some new codes and give them to the student to learn.

No

my suggestion to improve more ASP is to involve more African countries and especially more student researchers

More interactive sessions among students and lecturers can enhance the prospect of meeting future collaborators.

I suggest that future editions be a hybrid event

I suggest that it be annual and not after two years, because of the demand of students to it so that ASP can turn out a large number of students

Everything is excellent

Inviting researchers in polymer physics

More contacts with experts in all the fields of particle physics

keep it up!!

Hybrid participation should be practiced

Add some courses from the field of Mathematical Physics

Help all participant to be in researher groups

You need to increase the number of days for the program

If possible to include tutorials

Presential course may be very interesting

Possible means of support for electric power supply.

From my point of view , you must introduce more of artificial intelligence

Encourage more of this events

Help the young ASP in their career

It will be better with time

Make it longer and give certificates upon completion

none

If possible to include tutorials

group work activities (groups of student)

Pedagogy university

Not sure for now.

Increase synergies with other communities (ASFAP (and forum), AfPS, APS/FIP, etc..)

Introduce some lectures on condensed matter physics

Incorporation of scholarship, interview and job writing skills to the participants in regards to various levels of study.

There is need to include Facilitators that will give talk on academic grants

Everything was fine !

I hope that in the next ASP that the language of the participant is taken into account if this happens online, provide an interpreter for better understanding.

Presential session may be very helpful

On my point of view everything was well organized from ASP the only problem was the internet

Add quantum information as discipline of research (It is a vast domain of research)

Because of the pandemic, it was difficult to meet. Although Zoom helped us to overcome this obstacle, technical problems made it difficult to keep to the conference schedule. This the element that needs to be improved

Keep going, you are in the right road.

In particular I really liked the event and your organization, the event surpassed my expectations for an online event. I

only have a small suggestion, it would be nice if you asked the lecturers to send their presentations before the seminar as there is some material missing in Indico, which could be fundamental for our review

introduction of climate change in the lectures since its a global call.

SIMPLY THE BEST

I liked the event too much and I'm very satisfied with all the lectures and participants. I would suggest just to give a longer break during the lunch time.

I think it could be good idea to add a final assessment for all ASP Students before getting certificates.

I believe there are other aspects of physics that weren't capture in ASP

Hands-on exercise in ROOT, machine learning

None

No suggestions, the problem is the covid. Online is not easy to be concentrated

I think it was a well organized. I appreciate that the sessions were recorded, allows us to go back and watch the lectures should we have missed something

Internet connection in other countries is very expensive and an unstable too for instance in Malawi I had to send alot of money on it as well as some some time of the day internet was off it will be better just to but buy internet direct to the phone than sending airtime

1) Construct small research group composed of people with in the same research field, and assign each of them with a small problem at the beginning of the school and see what response they could provide at the end of the school. 2) Creation of think-thank groups of people from different background to work on specific problem encountered by young African scientists. 3) Help students tell their stories and struggles towards their scientific journey. The way they overcome their obstacles may be a source of inspiration for other people going through or similar circumstances..

more discussion between faculty and students after class

I would Thanks you for this opportunity and for quality of organisation

Inclusion of more Physics courses.

adding activities to make students inetarct with the lecturers

none

I recommend adding workshops about experimental stuff that we can train on through computer simulation

I think if there were some activities we can work on as groups (some lab reports maybe) it will help to break the ice between different participants. Also if we could work on final project, to be submitted maybe a month after the end of the school, and be required to receive a certificate (either that or a final report about the school by all the participants, I believe this is the least thing we can do as a return for the free participation to such international school, and I assume it will be useful for the orgnizers more than a survey). Finally, since there were many lecturers from the biggest research facilities in the world, I would really enjoy it if we have had some virtual lab tours

It should last more than 2 weeks 😊

Adding more practical activities will be good. With the lectures "LHC Analysis" for example, it will be great if the students have the opportunity to apply what they learned on some real data from the LHC.

## Which lecture did you appreciate the most (enter date and time of the lecture)? Open-Ended response

ASP COVID-19 Analyses, 20 July 2021 at 10:00 AM

Particles Physics and Cosmology

Astrophysics lecture (July 21, 14:00)

Radiation Measurements and Dosimetry, Thursday, 22 July, 11:30 AM

all

July 21st, 4.30 PM - Medical accelerators for radionuclide production and radiation therapy

quantum information by Prof. Mourad (Univ. El Manar. Tunis)

Material physics with prof.Sonia Haddad on 23rd July,2021 at 12:00pm

Neutrinos in the 21st century 27/07/2021 at 15:00-16:00

Mario's one

Detector and particles physics

All of them

Nuclear Physics

the conference that really appealed to me was the one on medical accelerator, radionuclide production and radiation therapy (July 21 at 1:00 p.m.)

The music of Physics

Parallel Session 1: Deep Learning. Wednesday, July 28 12:00 → 13:00

: Atomic & Molecular Physics

Sonia Haddad

Physics of accelerator

All

Radiation Measurements and Dosimetry (22/07/2021 @ 10-11:30am)

22nd July at 16h30 to 17h30 UTC+2 — High Performance Computing / Big Data

Hnb Garhwal Central University Dehradun Uttarakhand

Accelerators 19/07/2021 4:30 PM

Neutrino physics

The John Ellis one

28 July 2021 at 13h30-14h30 — Nuclear physics or Atomic & Molecular physics

Materials Physics Friday 23, 2021

20/07/2021 ; 10h00min — ASP COVID-19 Analysis

lecture in optics

Quatum indormation

The first one, which started from the basics on 28 July, 7 PM (Pakistan State Time)

all

no favorites

The John Ellis one

Statistical Analysis by Eilam Gross

I appreciate all the lectures and I do not have any preference. Though, I am much interested in Astrophysics and Cosmology, I learnt a lot from other fields. This knowledge will help me to develop my career.

ASP Brainstorming Session (21 July at 10:45)

Optics and Photonics; Wednesday July 28 at 12:00pm

Earth Science

All

The big and small picture : links between particle physics and cosmology (monday 19 July. 12:00 pm - 1:00 pm)

Wednesday, 28 July 3:00 PM → 4:00 PM — Atomic & molecular physics or Nuclear physics

Nuclear physics : studying hadrons with electron beams of 28 July, at 13h30-14h30 and the second session at 15h00

Parallel session 2: Quantum Information 07/30 16:30-17:30

Machine Learning and particle physics (28th July at 12 o'clock)

Quantum Information (vendredi, 30 juillet , 16:30 → 17:30)

Cosmology (21 July 2021: 3.00 pm to 4.00pm)

09:30 → 10:30 Parallel Session 1: Gravitational Waves Speaker: Prof. Eugenio Coccia (Gran Sasso Science Institute and INFN)

The lecture of prof. Mirjana: Astronomy for development in Africa in 27 July from 12PM to 1 PM

LHC Analyses - Event Reconstruction (10:30 AM Cairo time, Tuesday 27th of July)

28/07/2021 at 12:00 — Deep learning or Optics & Photonics

physics education(28th July,2021 at 4:30-5:30

22ND JULY , 4:30PM — High Performance Computing / Big Data

Accelerators (July 20th, 16h30 - 17h30)

Detectors by Prof. Sally Seidel (University of New Mexico (US)), Monday, 19 July at 12.00

Statistical Analysis: Friday, 23rd July, 2020- 3:00pm - 4:00pm

Monday, 26 July at 15h — Detectors

Accelerators(20/07, 16:30h)

LHC Analysis - Event Reconstruction (27 July)

19-07-2021 at 4:30 — Accelerators

Friday July 23, 12h00 → 13h00 Materials physics

Heavy Ion Physics -( 22 July 3-4pm)

Marco silari

Physics Education, Musics of Physics, Cosmlogy

All are best !

Thursday, 29 July, 3:00 PM → 4:00 PM - Energy Applications & Energy Efficiency By Dr Daniel Ayuk Egbe (ANSOLE)

The big & small picture: links between particle physics and cosmology (Jonathan R. Ellis)- 19 July, 12 PM

statistical analysis-23(15h-17:30)/26(10:30/11:30) July

Astrophysics, Wednesday 21 July- 1:30

The big & small picture: links between particle physics and cosmology, By Pr. J. R. Ellis (19/07 morning) equally with "The Little Neutral One" lecture by Pr. Mary Bishai (23/07 afternoon)

Astronomy for development in Africa, A lecture given byProf. Mirjana Povic. The lecture was on Tuesday 27 at 12 - 13

Neutrino in the 21st century by Mary Bishai on July 27th, 2021 at 3PM to 4PM

July 22,2021 , 3:00-4:00pm — Heavy ion physics