



NAAC ACCREDITED 'A++' GRADE COLLEGE

2022-23

Name of the Department/Society: Lumen Society

Name of the Event: International Weminar

Date of the Event: 7th January 2023

Convenor of the Department/Society: Dr. Amit Sehgal and Dr. Pradeep Kumar

Event Co-ordinator: Dr. Yogesh Kumar

Description of the event

Department of Physics and Electronics, Hansraj College, University of Delhi organised International Webinar on 7th January 2023 at 11 am through Teams platform. **The lecture was delivered by Prof. Abdel Nasser**

Tawfik, founder president of the Egyptian Center for Theoretical Physics (ECTP), the World Laboratory for Cosmology and Particle Physics (WLCAPP), and the research director at "ICSC-World Laboratory", Erice, Italy.

He accomplished successive academic positions at Marburg, Stuttgart, Trier, Bielefeld (Germany), Hiroshima (Japan), MTI, Nile, Future and Ahram Canada universities (Egypt). As the youngest in all disciplines, he elected as UNESCO-TWAS fellow in 2012 and presently serving as council member representing the Arab World. He is also a fellow of Egyptian Academy of Scientific Research and Technology (ASRT), and thereby serving as member of National Committee for Physics, Network Nuclear Sciences (NNS), and Egyptian Network for High-Energy Physics (ENHEP). In 2020, he elected as Fellow of the African Academy of Sciences (AAS), Nairobi, Kenya. He is also serving in several committees and panels for education, scientific research, and development.

Prof. Tawfik is well recognized for his pioneering approach to reconcile principles of general relativity with quantum mechanics. **He delivered a lecture on "Horizons of High-Energy Physics". In this lecture, he talked about the scope of high energy physics.** High-energy physics is the discipline that explores the constituents and forces of the world and how it works, at the smallest and largest scales. **He reviewed the current status and described the possible horizons in near future.**

The event started with a welcome address by Ms. Akriti, Vice President, LUMEN Society. After that, Dr. Yogesh Kumar introduced Prof. Tawfik to the participants. At the end, Mr. Umesh Kumar, President, LUMEN Society proposed vote of thanks. In this event, there were approximate 70 participants including faculty of various colleges and students of University of Delhi. After talk, there was a question-and-answer session where participants interacted with the speaker very well. Overall, the event was a grand success.



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Brochure/Poster







International Webinar



Professor Abdel Nasser Tawfik

Professor Abdel Nasser Tawfik is well recognized for his pioneering approach to reconcile principles of general relativity with quantum mechanics. He is by far the greatest QCD expert. He has accomplished successive academic positions at Marburg, Stuttgart, Trier, Bielefeld (Germany), Hiroshima (Japan), MTI, Nile, Future and Ahrm Canada universities (Egypt). So far, he published 3 titles and more than 200+ scientific papers, reports, and reviews covering various disciplines. Dr. Tawfik is the founding president of the Egyptian Center for Theoretical Physics (ECTP), the World Laboratory for Cosmology And Particle Physics (WLCAPP), and the research director at "ICSC-World Laboratory", Erice, Italy. As the youngest in all disciplines, he was elected as UNESCO-TWAS fellow in 2012 and it presently serving as council member representing the Arab World. Also, he is fellow of Egyptian Academy of Scientific Research and Technology (ASRT), and thereby serving as member of National Committee for Physics, Network Nuclear Sciences (NNS), and Egyptian Network for High-Energy Physics (ENHEP). In 2020, Dr. Tawfik was elected as Fellow of the African Academy of Sciences (AAS), Nairobi, Kenya.

Title: Horizons of High-Energy Physics
Abstract

High-energy physics is the discipline that explores the constituents and forces of the world and how it works at the smallest and largest scales. This ranges from tiny particles to astrophysical objects. The theoretical tools include among others quantum and statistical mechanics, numerical and mathematical approaches, and the general theory of relativity. In this pedagogical talk, I will be reviewing the current status and describing the possible horizons in the near future.

by
Lumen Society
Department of Physics and Electronics
Hansraj College, University of Delhi
under the aegis of Research and Development Cell and IQAC

Date & Time: January 07, 2023 11:00 AM
Venue: MS Teams

Dr. Amit Sehgal
Convener

Dr. Pradeep Kumar
Co-Convener

Dr. Yogesh Kumar
Coordinator

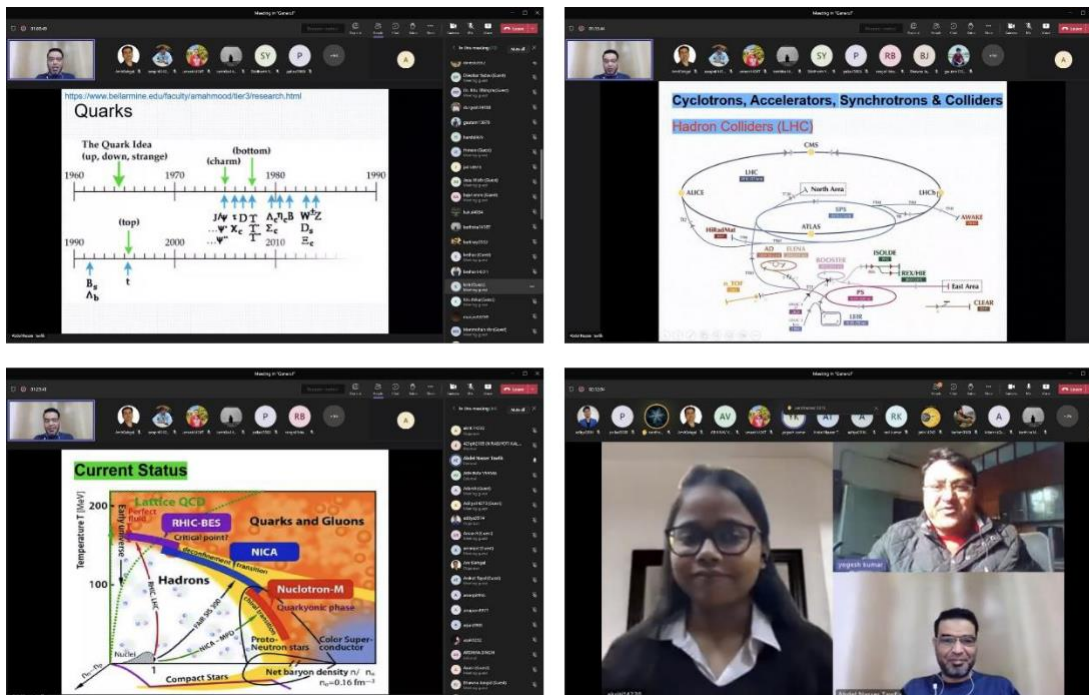
Dr. D Srikala
Teacher In-charge

Ms. Alka Kacker
Director, RDC

Dr. Mona Bhatnagar
Director, IQAC

Prof. Rama
Principal

Glimpses





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List of participants

umesh14247	Palash Tripathi (Guest)	Diwakar Yadav (Guest)
Anupriya Jakhar (Guest)	Kiruthika (Guest)	jatin8974
akriti14220	Pradeep Kumar	anupam8971
pallavi3998	kajal arora (Guest)	reshiv3843
kajal arora (Guest)	rishu8984	Anil Sharma01
keshav14221	Manmohan shr (Guest)	vardhaman3978
ashutosh14200	Jeau Mishr (Guest)	Maya Verma
aditya3914	aman phogat	akash14199
nancy3949	RavikantPrasad	Ayush (Guest)
sonam8957	1482 - Bodapatla Shiva Sai	amrish8972
swapnil14219	arjun3905	Saksham Kumar (Guest)
kartikey3553	vikalp4037	Himani (Guest)
gautam13678	AmitSehgal	Rakesh Kumar Meena (Guest)
amanjot (Guest)	sangeeta3924	sahil3685
nishant3848	Shivansh Tiwari (Guest)	chirag14232
dhawal kirti (Guest)	kirti (Guest)	Upneet (Guest)
Abdel Nasser Tawfik	amanjot (Guest)	neelam singh
yogesh kumar	421ph2185 (NIRABJYOTI KALITA)	Dr. Ritu Dhingra (Guest)
karthika14187	Aditya14273 (Guest)	MonaBhatnagar
Siddharth Yadav (Guest)	srijan8921	radhika3294
rangoli bhatnagar	Adarsh (Guest)	ravi kumar
Bhawna Jangid (Guest)	Aman Phogat (Guest)	
ashok14203	rohit14259	pareekshit8930
Aniket Tayal (Guest)	yash4042	dinesh3952
Nishant (Guest)	AYUSH GUPTA (Guest)	prachi3802
Sushil Kumar	priyanshu14237	poorna3325
nandini (Guest)	vikash3799	chanchal yadav
neelakshi borah (Guest)	vishakha3362	Prashant Mishra (Guest)
manjeet3759	Dr. Ritu Dhingra (Guest)	rishu8999
harsh8929	kaku4034	rudra3995
sachin14248	arpit1232	ARSHIYA SINGH
POONAM (Guest)	Vengatesan G	jatin14242
sameer14155	Kiruthika (Guest)	vishal11174
mindup3581	dhawal kirti (Guest)	abhinav8978
Aditya Vardhan	ajay14177	anoop8955
durgesh14188	Aman R (Guest)	ABHINAV VERMA
keshav (Guest)	prateek14207	Ayush (Guest)
D Srikala	vansh8976	hariom3968
rishav8936		