


Webinar on “Light and $E = mc^2$ ”

Date: 21-05-2020

Participants: 889


Prof. Ajoy Ghatak, Professor Emirates IIT, Delhi

LIGHT & Einstein's $E = mc^2$



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Sir P. T. Sarvajani College of Science, Surat
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Thus if the total mass of the two magnets becomes 0.1 ng less, it will require about 9,000 Joules of energy to separate them creating a tiny amount of mass (0.1 ng)



Our sun is like a 400 trillion trillion Watt light bulb.

Care and warmth for others


Compassion






If you want others to be happy, practice compassion. If you want to be happy, practice compassion.

Dalai Lama

Webinar
Knockdown the Lockdown - The Physics Way



Organised by
Sir P. T. Sarvajani College of Science, Surat

Light and $E=mc^2$ Prof. Ajoy Ghatak Professor Meghnad Saha Fellow The National Academy of Sciences, India (Formerly, Professor of Physics @ IIT Delhi)	May, 21 @ 11.00 am	
 May 22 & 23 @ 4.00 pm	The Final Frontier - The Story of Particle Physics Prof. Sreerup Raychaudhuri TIFR, Mumbai	
Big and Small of the Universe Prof. Mayank Vahia Dean, School of Mathematical Sciences, NMIMS, Mumbai (Formerly, Professor @ TIFR, Mumbai)	May, 25 @ 11.00 am	

Registration
<https://forms.gle/LTn1SrXiq74j4kie9>

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Link to Webinar Video:

<https://www.facebook.com/102940994767328/videos/243895940217056>

Brief Report:

Brief Report: An interesting talk was given by Prof. Ajoy Ghatak in which he presented the famous equation of Einstein, $E = mc^2$ and its derivation in a quite novel way. He started with the properties of light and discussed its dual nature in brief. Then he mentioned Einstein's photoelectric effect and finally the special theory of relativity. He highlighted, in detail Einstein's miraculous year, the year 1905. It was so well-planned and well-presented that everyone was amazed. He also included the discussion on nuclear processes and the story of the first atomic bomb based on Einstein's theory. It also enhanced the curiosity amongst the student fraternity and there were a lot of questions at the end of the talk which were well-responded by the speaker.