

Dr. Ch.V.Srinivas, M.Sc., Ph.D.,
PRINCIPAL

Date: 19-09-2021.

To
Prof. B. S.RAO,
RGCAT,
INDORE.

Respected Sir,

Sub: Letter of appreciation – reg.

Thank you very much for your presence as a Guest Lecturer, for ONE day WEBINAR on "LASERS AND PLASMA" for our V semester students on 19-09-2021 at B V RAJU COLLEGE, VISHNUPUR, BHIMAVARAM. All the students got benefitted and understood well the subject.

Your role is truly commendable and we appreciate it, looking forward for your cooperation in future programmes and professional education as well.

Thank you,




PRINCIPAL
B.V. RAJU COLLEGE
Vishnupur, BHIMAVARAM-534 202

16:43

59%

Laser-matter interaction at ultrahigh intensities

- With present day lasers, giving several terawatt power, focused intensity $\sim 10^{16}$ W/cm² can be achieved. At such high intensities, many physical phenomena previously unobserved, take place.
- At an intensity of $\sim 10^{16}$ W/cm², the oscillatory energy of a plasma electron accelerated in the laser field becomes equal to its rest mass energy.
- At an intensity of $\sim 10^{18}$ W/cm², it becomes ~ 10 MeV.
- These electrons emit X-rays whose energy is in MeV (like gamma rays).

BR

B S Rao (Guest)

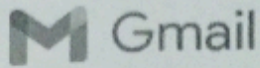
62%

Magnetic Confinement of Plasma

- The charged particles in a plasma are confined by a toroidal path around the axis of a tube.
- This inhibits plasma expansion perpendicular to the magnetic field i.e. Confinement.

BR

B S Rao (Guest)



Kiran bachina PHYSICS channel <kiranbvrcollege@gmail.com>

(no subject)

2 messages

Kiran bachina PHYSICS channel <kiranbvrcollege@gmail.com>
To: sunnyb@rrcat.gov.in

Mon, Sep 14, 2020 at 5:51 PM

Sir

Sub: Request for conduction of online session for BSc students of B V Raju college, bhimavaram, AP..Reg...
I am kiran bachina , Hod, B V Raju college, bhimavaram, AP. In this lock down period we are conducting online classes for our students and in these classes I have observed interest in students towards Plasma , lasers and related topics.As RRCAT is a world class premier institute in these concepts and also service towards both society and scientific community , I request you to take an online session for our BSc students on next Saturday (19th september 2020) .your online session will definetly motivate and ignite young minds.looking forward for your acceptance.

Thanking you,
Yours sincerely

B kiran
HOD (department of physics and electronics)
B V Raju college,
Bhimavaram
Andhra Pradesh
9885169450

B. S. Rao <sunnyb@rrcat.gov.in>
To: Kiran bachina PHYSICS channel <kiranbvrcollege@gmail.com>

Tue, Sep 15, 2020 at 10:18 AM

Dear Sir,

Thank you for the email.

Good to know that your students have an interest in the advanced topics in science. It is indeed my great pleasure to accept your invitation to interact with the students.

With best regards,
Bobbili, Sanyasi Rao

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Faculty of Physical Sciences, Homi Bhabha National Institute &
Scientific Officer, Raja Ramanna Centre for Advanced Technology
Department of Atomic Energy, Government of India
Indore-452013, Madhya Pradhesh, INDIA

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Scientific Officer-F, Laser Plasma Division, Raja Ramanna Centre for Advanced Technology
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