

REPORT OF THE PROGRAMME CONDUCTED



Dept. of
Sree Sankara College Kalady

Title of the activity National Workshop on High Energy Physics

Date and Time 28/10/2018

Resource person

Nature of activity

Type of Activity ,

Linkage Activity

Convener

Number of participants 0

Three day National Workshop on High Energy Physics was organised by the Department of Physics from 29 - 31 October, 2018 on the topic "Elementary particles and Gravitational Waves". The proposed workshop on High Energy Physics focussed on the foundation of particle physics and the recent advancements in the field of High Energy Physics. This workshop also had a session on detection of gravitational waves using LIGO. Students and Teachers from different colleges participated in this programme.

Report of the activity Venue : Seminar Hall, Sree Sankara College, Kalady.

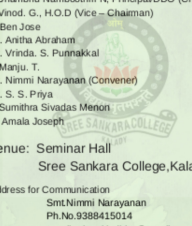
Resource Persons

- Dr. M. V. N. Murthy, Professor(Retd.), Institute of Mathematical Sciences, Chennai
- Dr. K. Indulekha, Professor, School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam

Outcome of the activity

ORGANIZING COMMITTEE

- Adv. K. Anand, Managing Director (Patron)
- Sri. C. P. Jaisankar, Chief Operating Officer
- Sri. Shanthu Nambuthiri N, Principal/DO (Chairman)
- Dr. Vinod. G., H.O.D (Vice – Chairman)
- Sri. Ben Jose
- Smt. Aritha Abraham
- Smt. Vrinda. S. Punnaikall
- Dr. Manju. T.
- Smt. Nimmi Narayanan (Convener)
- Smt. S. S. Priya
- Dr. Sumithra Sivadas Menon
- Ms. Amala Joseph



Venue: Seminar Hall
Sree Sankara College, Kalady

Address for Communication
Smt. Nimmi Narayanan
Ph.No.9388415014
email: nimmi.indhira@gmail.com

Registration Fee
Students - Rs 200/-
Research Scholars/Teachers - Rs 400/-

Last Date of Registration 24/10/2018

NATIONAL WORKSHOP ON HIGH ENERGY PHYSICS

October 29–31, 2018

Organized by
Department Of Physics
Sree Sankara College, Kalady



Resource Persons



Dr. M. V. N. Murthy,
Professor(Retd.), Institute of
Mathematical Sciences, Chennai



Dr. K. Indulekha,
Professor, School of Pure and
Applied Physics, Mahatma Gandhi
University, Kottayam

Scope and Objective of the Workshop

The proposed workshop on High Energy Physics will be focussing on the foundation of particle physics and the recent advancements in the field of High Energy Physics. This workshop will also have a session on detection of gravitational waves using LIGO.

"Hearty welcome to students, research scholars and teachers...."

Ms. Nimmi Narayanan
Convener

Dr. Vinod. G
H.O.D. Dept of Physics

Sri Shanthu Nambuthiri N
Principal/DO

Programme Schedule

DAY 1: 29 – 10 – 2018 (MONDAY)

9.30 am – 10.00 am : Inaugural Ceremony
10.00 am – 11.00 am : LECTURE 1: Elementary particle Classification and Interaction
Speaker: Dr. M. V. N. Murthy
11.00 am – 11.15 am : Tea Break
11.15 am – 01.00 pm : Lecture continues
01.00 am – 02.00 pm : Lunch Break
02.00 pm – 04.00 pm : Lecture 2: Symmetries and its Conservation Laws
Speaker: Dr. M. V. N. Murthy

DAY 2: 30 – 10 – 2018 (TUESDAY)

10.00 am – 11.30 am : Lecture 3 – Hadrons and Quarks
Speaker: Dr. M. V. N. Murthy
11.30 am – 11.45 am : Tea Break
11.45 am – 01.00 pm : Lecture 3 continues
01.00 pm – 02.00 pm : Lunch Break
02.00 pm – 04.00 pm : Interactive Session chaired by Dr. M. V. N. Murthy

DAY 3: 31-10 -2018 (WEDNESDAY)

09.00 am – 10.15 am : Lecture 4 – Standard Model of the Universe
Speaker: Dr. M. V. N. Murthy
10.15 am – 10.45 am : Tea Break
10.45 am – 12.30 pm : Lecture 5 – Introduction to General Relativity
Speaker: Dr. K. Indulekha
12.30 pm – 03.30 pm : Lunch Break
03.30 pm – 03.55 pm : Lecture 6 – Gravitational Waves
Speaker: Dr. K. Indulekha
03.15 pm – 03.30 pm : Valedictory Function