



## Update on Particle Therapy Masterclass at National Institute of Science Education and Research (NISER), Jatni, Odisha, India

Ganesh Tambave and NISER Team  
15.03.2024

<https://indico.cern.ch/event/1381832/timetable/#20240315>

# Particle Therapy MasterClass (PTMC)

National Institute of Science Education and Research  
AN AUTONOMOUS INSTITUTE UNDER DAE, GOVT. OF INDIA

March 15, 2024, 10.00 AM – 5:00 PM  
Offline only




**Registration open  
till March 1st, 2024**

**Accelerators for Health**



- Introduction to Particle Therapy
- Radiotherapy Treatment Planning using MatRad Software
- Hands-On Session\*

**Scan for Registration**



**Contact:**  
ptmc2022@gmail.com

*\*For hands-on session, please bring your own laptops with the MatRad software installed. Scan the QR code for more details.*



hands on particle physics

# Particle Therapy MasterClass: NISER, Jatni, Odisha, India

15 March 2024  
Lecture hall-4 NISER  
Asia/Kolkata timezone

Enter your search term

Overview

Timetable

Contribution List

My Conference

My Contributions

Registration

Participant List

PTMC committee

ptmc2022@gmail.com

+919938003660

+918763721924

+917028827780

## Participant List

84 participants

First Name	Last Name	Affiliation
Abinash	Behera	Carmel English medium school
Adyasha	Panda	Carmel English medium school
AJAYA KUMAR	MISHRA	CARMEL ENGLISH MEDIUM SCHOOL
Ananya Dash	.	Carmel English Medium School
Anindita	Patra	Carmel English Medium School
Anshuman	Jadubanshi	Carmel English Medium School

84 students from two schools participated

1. Carmel School Khurda
2. Cohen International School, Jatani

## Time table

1. Introduction to Particle Therapy
2. Introduction to Accelerators
3. MatRad Hands-on session
4. Kahoot quiz

## Timetable

Fri 15/03

Print

PDF

Full screen

Detailed view

Filter

10:00	Welcome to PTMC-2024 Lecture hall-4 NISER	Prof. Bedangadas Mohanty 10:00 - 10:10
	Introduction to particle accelerators and its medical applications Lecture hall-4 NISER	Dr Varchaswi K S Kashyap 10:10 - 10:40
	Videos/animation on accelerators Lecture hall-4 NISER	Dr Varchaswi K S Kashyap 10:40 - 11:00
11:00	Tea Break Lecture hall-4 NISER	11:00 - 11:30
	Introduction to Particle Therapy Lecture hall-4 NISER	Prof. Lalit N. Chaudhari 11:30 - 12:30
12:00	Videos/animation on Particle Therapy Lecture hall-4 NISER	Ganesh Jagannath Tambave 12:30 - 13:00
13:00	Lunch break Community Centre	13:00 - 14:30
14:00	Introduction to matRad software 417, School of Physical Science (SPS)	Mr lalatendu mishra 14:30 - 15:00
15:00	Hands on session and exercises 417, School of Physical Sciences	Mr Rakesh Kumar Bhatta et al. 15:00 - 16:30
16:00	Quiz 417, School of Physical Sciences	Ganesh Tambave 16:30 - 17:00
17:00		

# Photographs - Lectures



# Photographs – MatRad Session



Prepared 40 computers  
with matrad software



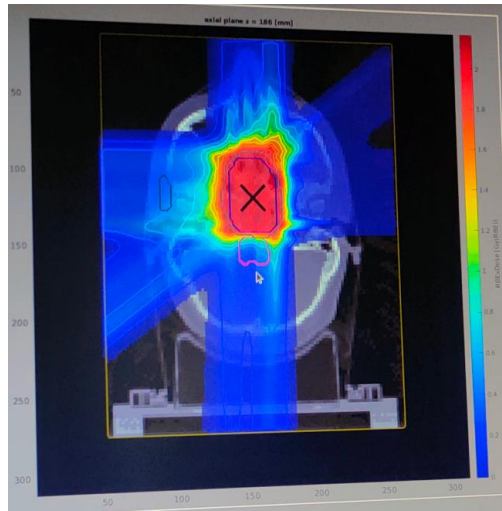
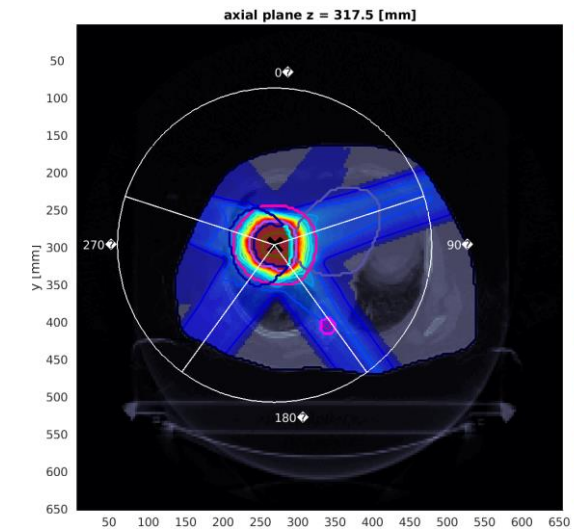
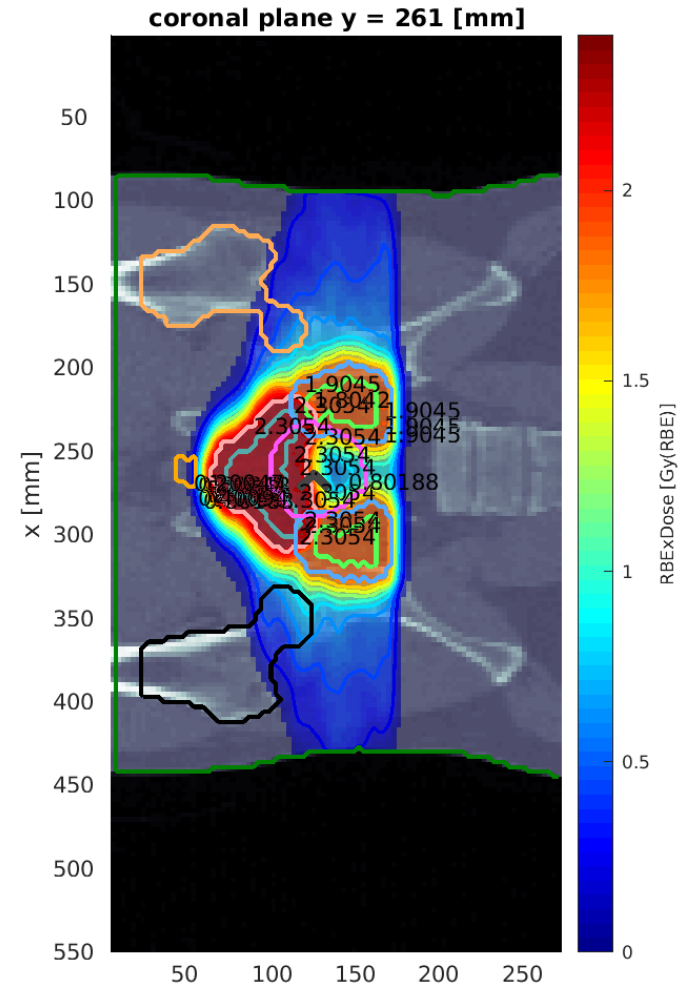
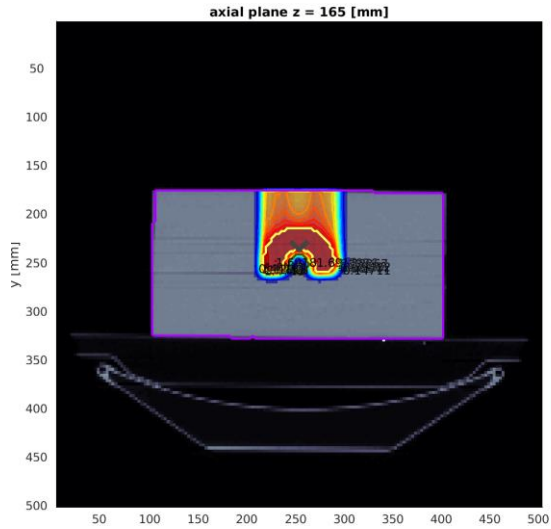
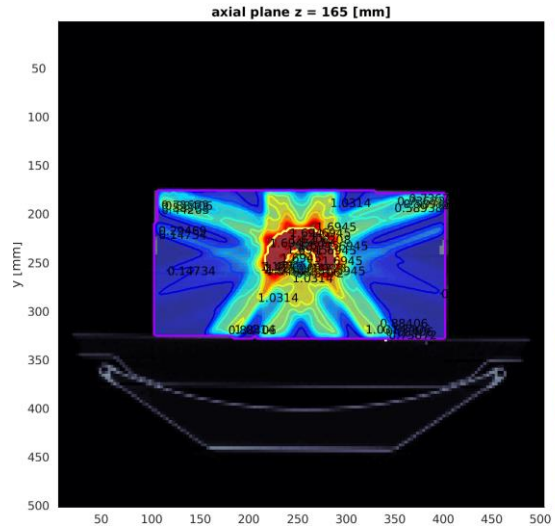
# MatRad Session - Exercises

Student were asked to email the answers of their exercises

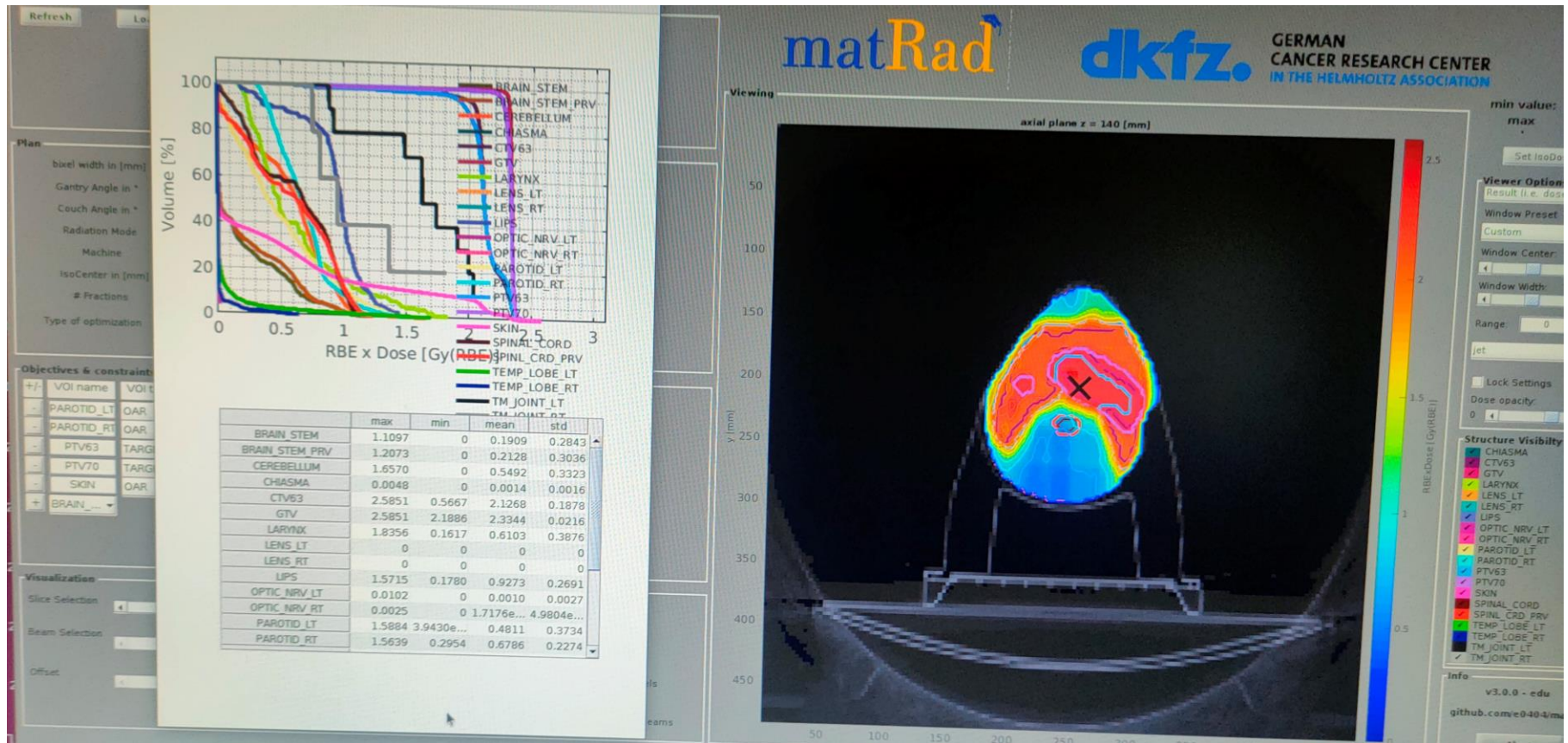
The screenshot shows a Gmail inbox with the following email entries:

Sender	Subject	Time
Abinash Nishank	(no subject)	
Shreyancy Sahoo	Shreyancy Sahoo and Chirasmitta Sahoo from Carmel English Medium School	4:50 PM
Shubhadeep Panda	Results for following students - PARTHA SARATHI DUTTA, PRATYUSH KUMAR RAUL, KAMLESH DAS, SASWAT KUMAR MALLA	4:28 PM
somu ranjan	planning treatment exercise - plan by somya ranjan pradhan	4:26 PM
anurag dharua	Bibek nag cohen international school	4:25 PM
Subhalaxmi	Sruti-smita (matRad head and neck)	4:24 PM
Pushpraj Bhardwaj	PTMC student attendees' plan - Nibedita and Harshita from Cohen international school, Jatni, Khurda-752050, Odisha, India attended the Particle therapy master class (PTMC) held in NISER...	4:24 PM
PRIYADARSHINI NANDA	Exercise 3 - On Fri, 15 Mar 2024, 4:07 pm PRIYADARSHINI NANDA, <priyadarshini1.nanda@gmail.com> wrote: From:- Ananya Dash Carmel English Medium School, khordha, Odisha	4:23 PM
Avneesh Kumar Tripa.	MATRAD ADITYA AND MRUNAL - -- Avneesh Kumar Tripathi Scientific Assistant - B(Radiation Physics) NISER Bhubaneswar, Jatni, Odisha, Pin Code - 752050.	4:19 PM
Sriyansi Sahoo	Treatment plan done by Deena and Sriyansi	4:18 PM

# MatRad Session – Students results



# MatRad Session – Students results



# Quiz in kahoot



Quiz winners getting rewarded  
By their teacher!

1<sup>st</sup> price



2<sup>nd</sup> price





Many thanks to Yiota Foka, Nermin Muradi and Team  
from our NISER PCMT2024 Team

