

Session Program

23-27 Sept 2019

Lecture week on "Imaging with particles"

Lectures

IFT/UiB, 359
Bergen Norway

Monday 23 September

14:00

Lectures

Session | **Location:** UiB/IFT, 359

14:00–14:15

Welcome

Speaker

Dieter Roehrich

15:45

14:15–15:45

Nano Imaging

Speaker

Prof. Bodil Holst

16:15

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

16:15–17:45

Computed Tomography CT

Speakers

Dr Helge E S Pettersen, Dr Helge Egil Seime Pettersen

17:45

Tuesday 24 September

09:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

09:30–10:15 **Introduction to particle therapy**

Speaker

Dr Pierluigi Piersimoni

10:15–11:00 **Medical radiography and tomography with proton beams**

Speaker

Dr Pierluigi Piersimoni

11:00

11:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

11:30–12:15 **The Bergen pCT project**

Speakers

Dr Helge E S Pettersen, Dr Helge Egil Seime Pettersen

12:15–13:00 **The ALPIDE chip in proton CT**

Speaker

Dr Ganesh Jagannath Tambave

13:00

14:00

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

14:00–14:30 **Introduction to hands-on experiments**

14:30

Wednesday 25 September

09:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

09:30–11:00

Neuroimaging: from structure to molecule with PET and MR

Speaker

Prof. Renate Gruener

11:00

11:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

11:30–13:00

Data handling and visualization in large multicentre imaging studies (ABCD)

Speaker

Dr Hauke Bartsch

13:00

16:30

17:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

Thursday 26 September

09:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

09:30–11:00

Imaging with neutrons

Speaker

Dr Kanaki Kalliopi

11:00

11:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

11:30–13:00

Combined use of neutrons and synchrotron radiation to unravel molecular structures in the nervous system

Speaker

Prof. Petri Kursula

13:00

14:00

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

14:00–15:00

Most likely path and reconstruction concepts in proton imaging

Speaker

Dr Charles-Antoine Collins Fekete

15:00

Friday 27 September

09:30

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

09:30–09:50

Carbon beam imaging

Speaker

Viljar Nilsen Eikeland

09:50–10:10

Single-sided proton imaging set-up; investigations and observations

Speaker

Jarle Solie

10:10–10:30

Development of Readout Electronics for a Digital Tracking Calorimeter

Speaker

Ola Slettevoll Groettvik

10:30

11:00

Lectures

Session | **Location:** IFT/UiB, 359, Bergen Norway

11:00–11:20

CMOS SPAD

Speaker

Michael Keller

11:20–11:40

Particle Imaging with HVMAPS

Speaker

Jens Kroeger

11:40–12:00

Mocca

Speaker

Dennis Schulz

12:30

12:00–12:30

Exams