

VHEE for Radiotherapy

Latest News about the VHEE
(Very High Energy Electrons)

TUESDAY

03

NOVEMBER
2026

LIDYL

CEA Paris-Saclay
L'Orme des Merisiers -
B timent 701
91190 Gif-sur-Yvette France

Latest advances in Very High Energy Electrons for radiotherapy, from beam production and dosimetry to biological irradiation and clinical translation.

SCIENTIFIC PROGRAMME 09:30 → 14:00

- 09:30 - 09:40**

● **Opening**
Sandrine Lacombe · UPSaclay (5 min) · Sandrine Dobosz Dufrenoy · LIDYL (5 min)
 Introduction to INanoTheRad and scientific framing of the workshop
- 09:40 - 10:10**

● **Radiobiology with laser-driven, high energy, electron beams**
Alessandro Flacco · LOA | Emilie Bayart · LOA
 Laser-driven VHEE radiobiology across in vitro, ex vivo and in vivo models, with a focus on temporal irradiation modalities and fast fractionation.
- 10:10 - 10:40**

● **FRATHEA project**
Delphine Lazaro-Ponthus · CEA / Ludovic De Marzi · Institut Curie
 Project challenges and focus on dosimetry needs and developments
- 10:40 - 10:55**

● Coffee break & discussions
- 10:55 - 11:25**

● **CLEAR facility**
Roberto Corsini · CERN, or a member of his team
 VHEE accelerator at CERN: CLEAR, VHEE / FLASH and examples of biological sample irradiation, depending on the speaker available
- 11:25 - 11:55**

● **FlashDeep: project overview, VHEE planning and a digital twin of the accelerator**
Charlotte Robert · Gustave Roussy / Johan Leygonie · THERYQ
- 11:55 - 12:30**

● **Final round table and closing**
Moderator: G rard Baldacchino · LIDYL, with the workshop speakers
 Current gaps in physical chemistry and translation to the clinic: bottlenecks, data needs, timescales and future perspectives for VHEE.

12:30 - 14:00

Lunch + poster session

PhD students / postdocs · Lunch and informal discussions

CALL FOR POSTERS

Poster contributions are welcome.
Master students, PhD candidates, postdocs and young researchers.
Indicate your intention to present a poster when registering.

REGISTRATION REQUIRED

<https://admin-sphinx.universite-paris-saclay.fr/v4/s/kAitP3l5lC>

Register via QR code

