INanoTheRad | université PARIS-SACLAY

VHEE for Radiotherapy

Latest News about the VHEE (Very High Energy Electrons)

TUESDAY 03 NOVEMBER 2026

LIDYL
CEA Paris-Saclay
L'Orme des Merisiers
Bâtiment 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: Gérard 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
BEFORE 19 OCTOBRE 2026
https://admin-sphinx.universite-paris-saclay.fr/v4/s/kAitP3l5lC

Register via QR code

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