Last update：9 May 2022

Radiation Physics research fields

Research and development on radiation physics, radiation protection, and radiation detectors

Staff

Professor

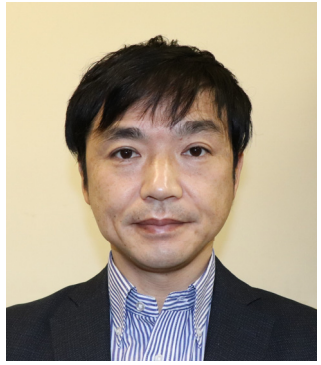
Masashi Takada

(Radiation Protection)

Associate Professor

Toru Matsumura

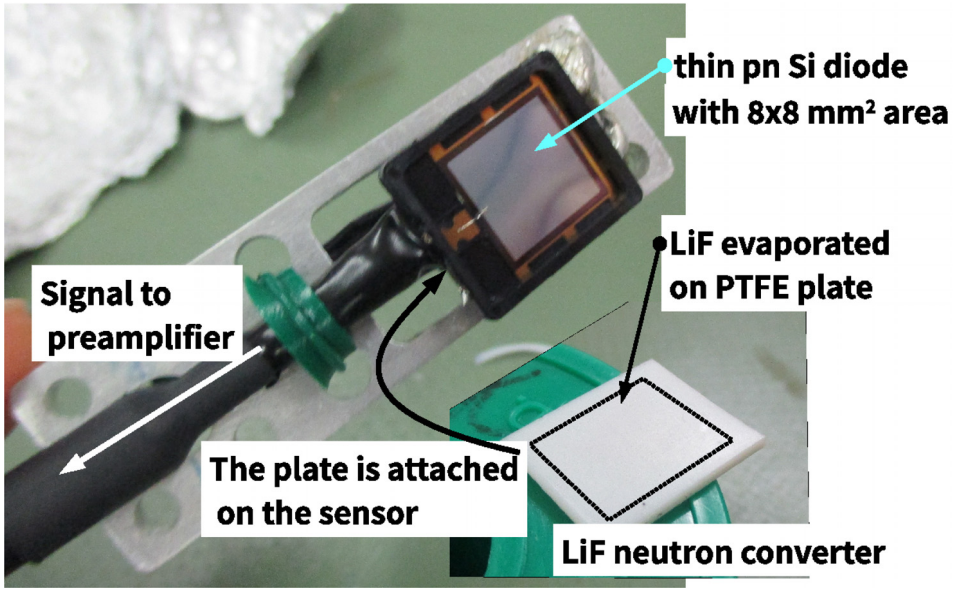
**(High-Energy Physics,
Radiation Measurement)**



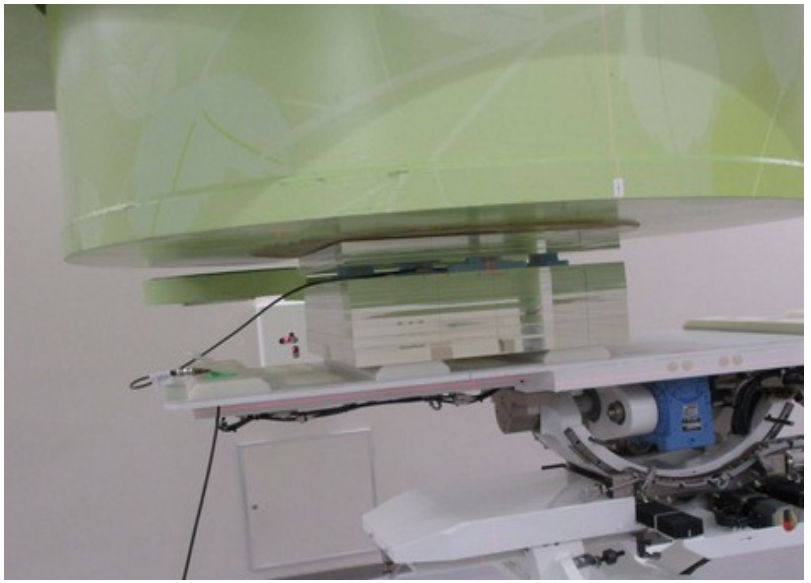
Last update：9 May 2022

Research Topics (Prof. Takada)

- Development of real-time neutron monitor for cancer therapy (BNCT)
- Real-time monitoring of neutron-beam intensity at National Cancer Center Japan



Real-time neutron sensor

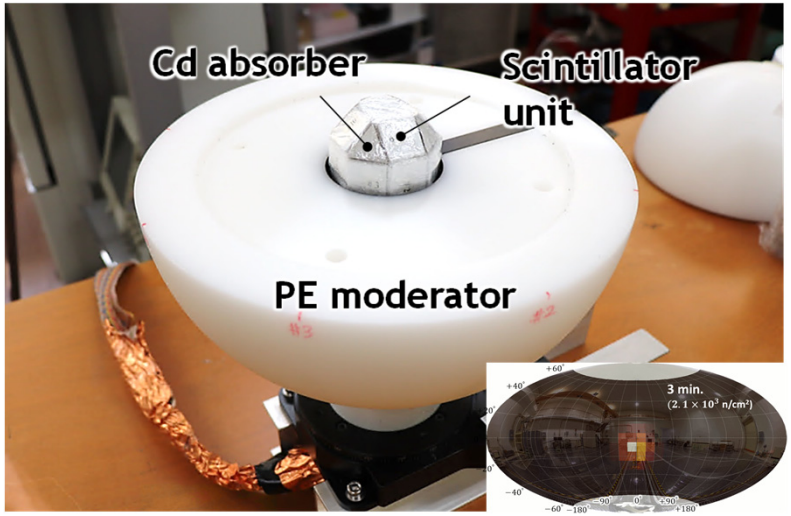


Neutron measurement
at National Cancer Center Japan

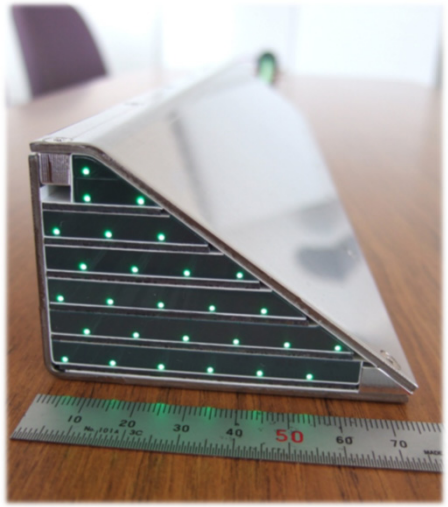
Last update：9 May 2022

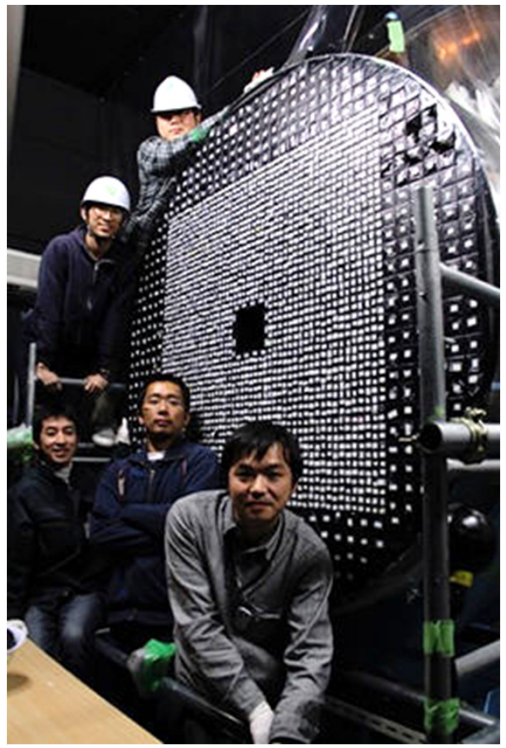
Research Topics (Prof. Matsumura)

- R&D on the γ and neutron detectors for particle-physics experiments
- R&D on the fast-neutron imager for nuclear security



Neutron imager and measured neutron-intensity distribution (bottom)





(left) g detector and (right) assembled calorimeter developed for the J-PARC KOTO experiment

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Graduated Student

Master course

Masashi Oyauchi	(the 61th, M1)
Yoshinori Hirayama	(the 61th, M1)
Natsumi Yagi	(the 60th, M2)
Fumiaki Kimura	(the 56th, graduated in 2019)
Hisashi Yokota	(the 50th, graduated in 2013)
Kousuke Okamoto	(the 46th, graduated in 2009)
Takeshi Tojo	(the 44th, graduated in 2007)
Yukihiro Hara	(the 43th, graduated in 2006)