

Kick-off Event

Int'l Research-Training Group IRTG 2891 "Nuclear Photonics"



TECHNISCHE
UNIVERSITÄT
DARMSTADT

November 27, 2023

Wilhelm-Köhler-Saal (S103 | 283)

Agenda



**Nuclear
Photonics**

10:00 Welcome greetings

Prof. Norbert Pietralla

Spokesperson IRTG 2891, TU Darmstadt

Prof. Matthias Oechsner

Vice President – Research, TU Darmstadt

Christoph Kinzinger

Hessian Ministry of Higher Education, Research
and the Arts

Prof. Regine von Klitzing

Dean, Department of Physics,
TU Darmstadt

Dr. Calin Ur

Spokesperson IRTG 2891,
University of Science and Technology
POLITEHNICA Bucharest

11:00 Keynote: "New Concepts of Nuclear
Structure Science"

Prof. Takaharu Otsuka

University of Tokyo

12:00 Reception

12:30 *Lunch break*

14:00 Presentations of ECRs of the IRTG

**Maike Beuschlein, Stefania Ionescu,
Adrian Brauch**

15:15 *Coffee break*

15:30 Presentations of ECRs of the IRTG

**Jörn Kleemann, Jonas Kohl,
Maximilian Meier**

16:45 Farewell

Program of the Lecture Week

November 27, 2023

10:00	Welcome greetings	Prof. Norbert Pietralla Spokesperson IRTG 2891, TU Darmstadt Prof. Matthias Oechsner Vice President – Research, TU Darmstadt Christoph Kinzinger Hessian Ministry of Higher Education, Research and the Arts Prof. Regine von Klitzing Dean, Department of Physics, TU Darmstadt Dr. Calin Ur Spokesperson IRTG 2891, University of Science and Technology POLITEHNICA Bucharest
11:00	Keynote: “New Concepts of Nuclear Structure Science”	Prof. Takaharu Otsuka University of Tokyo
12:00	Reception	
12:30	<i>Lunch break</i>	
14:00	Presentations of ECRs of the IRTG	Maike Beuschlein <i>Study of the dipole response of ^{242}Pu with nuclear resonance fluorescence</i> Stefania Ionescu <i>Nanostructured targets fabrication for high power laser experiments</i> Adrian Brauch <i>Bunch length measurement system downstream the injector of the S-DALINAC</i>
15:15	<i>Coffee break</i>	
15:30	Presentations of ECRs of the IRTG	Jörn Kleemann <i>γ-decay behavior of the Giant Dipole Resonances of ^{154}Sm and ^{140}Ce</i> Jonas Kohl <i>Search for a scaling law between forward and backward accelerated particles from TNSA</i> Maximilian Meier <i>Laser-Compton backscattering source at the S-DALINAC</i>

November 28, 2023

09:15 S-DALINAC Tour

10:20 Introduction to
photonuclear
reactions

Prof. Norbert Pietralla

11:20 *Coffee break*

11:40 Good Scientific
Practice

12:40 *Lunch break*

13:40 Presentations of
ECRs of the IRTG

Ioana Kuncser

t.b.a.

Vincent Wende

*Simultaneous measurement of
fragment mass, energy, and angular
distributions from (γ ,f) reactions*

14:30 *Coffee break*

15:00 Presentations of
ECRs of the IRTG

Amrita Gupta

*The isovector spin-M1 response of ^{90}Zr and
 ^{92}Mo*

Bogdan Corobean

*The “peeler” scheme for monochromatic ion
acceleration and high energy gamma
generation*

16:00 General Assembly
(hybrid format)

Zoom Meeting Information

<https://tu-darmstadt.zoom-x.de/j/68460408993?pwd=Z0VkdC9WbEFkdEN0OUw4ZDM4QldsQT09>

Meeting-ID: 684 6040 8993

Kenncode: 980935

November 29, 2023

10:00	Introduction to photonuclear reactions	Prof. Norbert Pietralla
10:50	Introduction to research data management	Johann Isaak
11:10	<i>Coffee break</i>	
11:30	Presentations of ECRs of the IRTG	Daniel Hofmann <i>Liquid leaf target for high repetition rate laser-ion acceleration experiments</i> Dragana Biliana Dreglici <i>Exploring double-layered target efficiency in laser-driven gamma source production</i>
12:20	<i>Lunch break</i>	
13:00	Presentations of ECRs of the IRTG	Laura Nita <i>Laser-driven radiation sources</i> Oliver Papst <i>Model-independent test of the Brink-Axel hypothesis</i>
14:00	Assembly of Research Trainers (hybrid format)	Zoom Meeting Information https://tu-darmstadt.zoom-x.de/j/69099826357?pwd=NUxQMC8rcnRPWlI1dlRlajNNZEFnUT09 Meeting-ID: 690 9982 6357 Kenncode: 970898
15:00	Conclusion & Farewell	
