

# **Frontiers and Careers in Photonuclear Physics - Student Workshop**

Pre-conference to EINN 2019

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Afroditi Papadopoulou and Lena Heijkenskjöld

October 27-28 2019

# Frontiers and Careers in Photonuclear Physics

Student Workshop preceding EINN 2019

Aimed at graduate students and recent PhDs.

Goals:

- Provide pedagogical lectures on conference topics
- Present career-building information
- Provide a venue for students to speak about their research

# Frontiers and Careers in Photonuclear Physics

## Previous workshops

### Frontiers and Careers in Photonuclear Physics

2014 August 7-9, Cambridge MA



Massachusetts Institute of Technology

### Frontiers and Careers in Nuclear and Particle Physics

August 4th-6th, 2016 University of New Hampshire



Annually since 2014, preceding EINN in odd years and Gordon Research Conference on Photo-Nuclear Physics in the United States in even years

F&C at EINN17



F&C in Boston 2018



# Frontiers and Careers in Photonuclear Physics

## This workshop

### Daily Program

Frontiers and Careers in Photonuclear Physics  
Skill development and talks for students

Sunday, October 27

ROOM: Athenaeum Ballroom

Type	Time	Speaker	Title
Opening	08:50-09:00	Afroditi Papadopoulos & Lena Heijmanskjöld	Welcome
Pedagogic Talk	09:00-10:00 (45+15)	Axel Schredl	Nucleon-nucleon correlations and the EMC effect
Pedagogic Talk	10:00-11:00 (45+15)	David Flay	Muons as a Probe for New Physics
Coffee Break	11:00-11:30		
Pedagogic Talk	11:30-12:30 (45+15)	Luca Masciano	Light dark matter searches with special focus on the Beam Dump Experiment
Lunch	12:30-13:30		
Research Talk	14:30-14:55 (20+5)	Sascha Wagner	Measurement of the Electromagnetic Transition Form Factor of the $\chi$ Meson
Research Talk	14:55-15:20 (20+5)	Mathias Heller	Leading order corrections to the Beta-Heiler process
Research Talk	15:20-15:45 (20+5)	Baoxing Gou	Study of two-photon exchange at A4
Research Talk	15:45-16:10 (20+5)	Federico Ciadini	Measurement of helicity dependence of $\pi^0$ photoproduction on deuterium
Coffee Break	16:00-16:30		
Career	16:30-17:30 (45+15)	Christa Colicci	Career paths inside/outside academia, Fraunhofer Institute
Pre-conference Dinner	20:00		

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### Daily Program

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Monday, October 28

ROOM: Athenaeum Ballroom

Type	Time	Speaker	Title
Pedagogic Talk	09:00-10:00 (45+15)	Barbara Badelek	Nucleon structure
Pedagogic Talk	10:00-11:00 (45+15)	David Richards	Lattice QCD
Coffee Break	11:00-11:30		
Pedagogic Talk	11:30-12:30 (45+15)	Ernst Sitchermann	Electron Ion Collider
Lunch	12:30-14:30		
Research Talk	14:30-14:55 (20+5)	Johannes Garma	Exclusive single photon production in muon-proton scattering at COMPASS
Research Talk	14:55-15:20 (20+5)	Edoardo Monechi	Proton scalar polarizabilities at MAMI
Career	15:20-16:20 (45+15)	Andreas Gavrilides	What Do I Want to Be with My PhD?: Careers of researchers inside and outside academia
Coffee Break	16:20-16:50		
Career	16:50-17:50	Panel Discussion	Exploring paths in the academia & the private sector

Please sign your name on the participation sheet

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# Frontiers and Careers in Photonuclear Physics

Dinner tonight

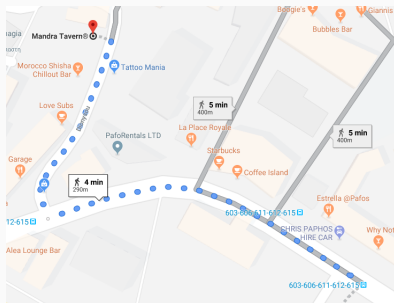
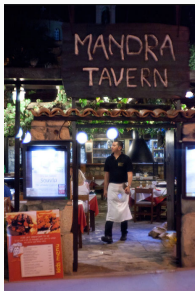
ALL WELCOME

Sign up during first coffee break on the participation sheet

**What:** Full meze menu + 1 drink - sponsored by Frontiers & Careers

**When:** 20.00 – We leave from Annabelle hotel lobby 19.45

**Where:** Mandra Tavern on Dionysou Street



# Frontiers and Careers in Photonuclear Physics

## Hotel reimbursement

For young scientists (students and post docs)  
who contributed to Frontiers and Careers

Flat rate hotel compensation of €188 (= 2 night single room fee)

Independent of which hotel you stay at

Reimbursement will be handled by Easy Conferences

→ Please sign up if you want this ←  
(Second sign up sheet on the table)

Thanks to our sponsors:

JLab, Stony Brook Center for Frontiers in Nuclear Science, MIT

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**PRISMA+**

Precision Physics,  
Fundamental Interactions  
and Structure of Matter



# Frontiers and Careers in Photonuclear Physics

We hope you will enjoy these days  
It's going to be great!

