# Welcome to HUGS 2025

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> > HUGS 40

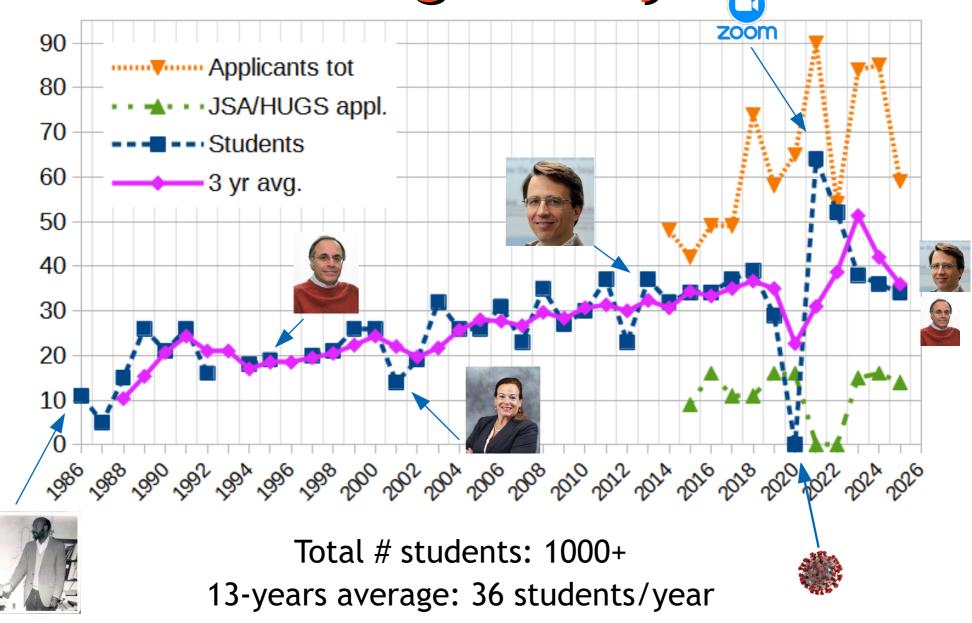




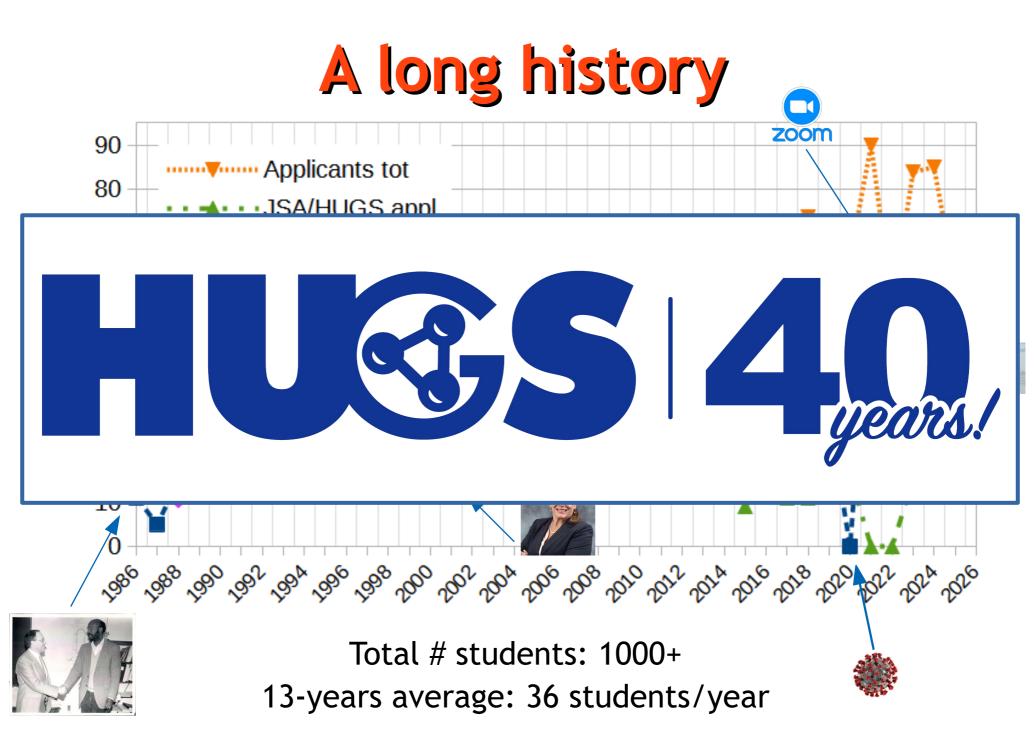




# A long history



Welcome to HUGS 2025



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## The team











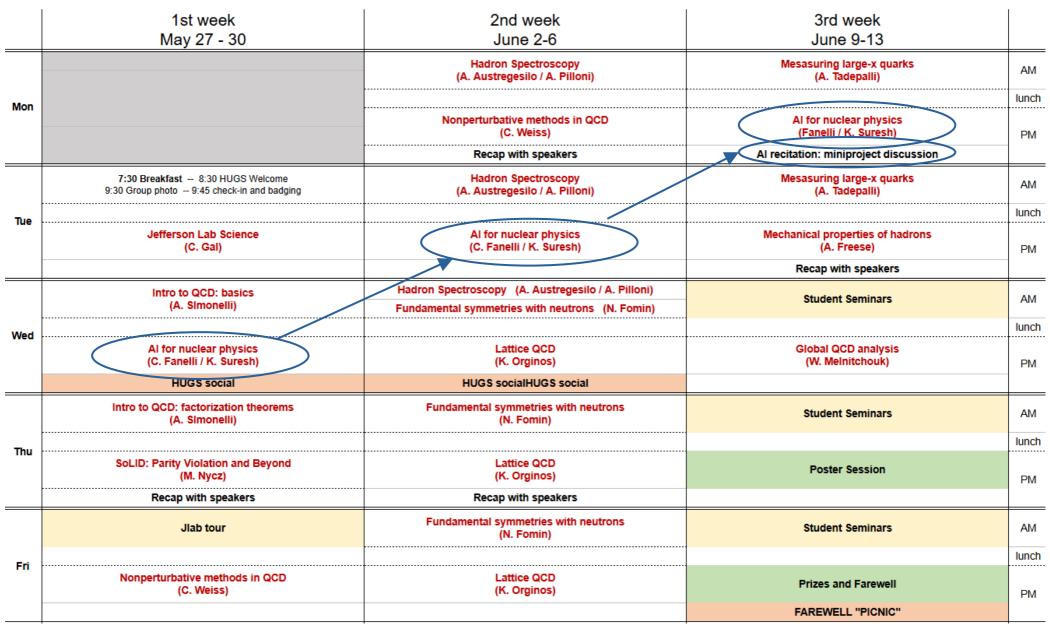


### We are here for you!



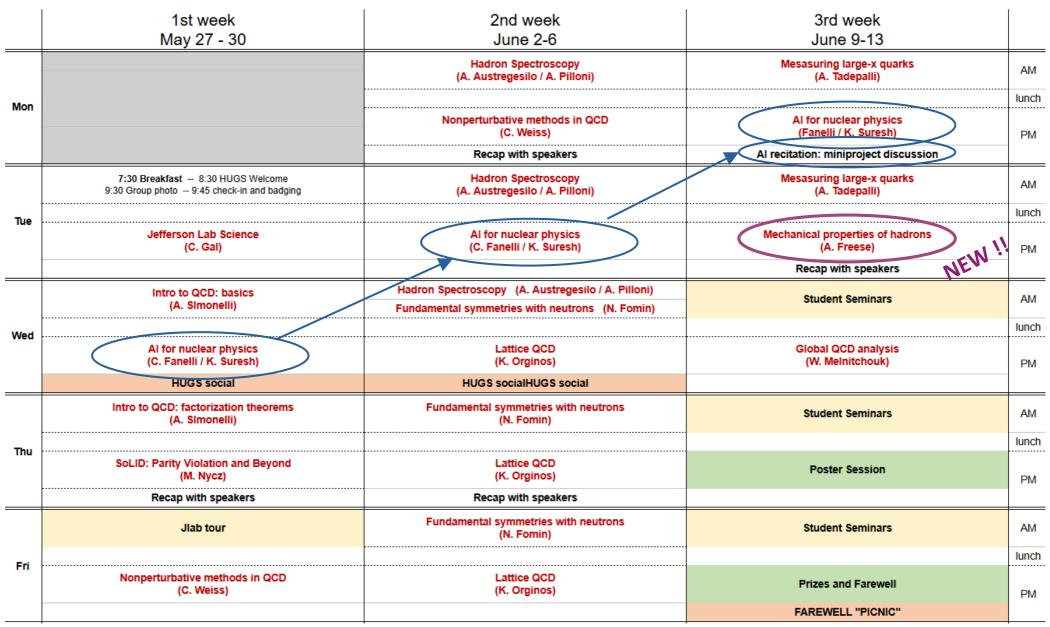
	1st week May 27 - 30	2nd week June 2-6	3rd week June 9-13	
Mon	, ,	Hadron Spectroscopy (A. Austregesilo / A. Pilloni)	Mesasuring large-x quarks (A. Tadepalli)	АМ
				lunch
		Nonperturbative methods in QCD (C. Weiss)	Al for nuclear physics (Fanelli / K. Suresh)	PM
		Recap with speakers	Al recitation: miniproject discussion	
Tue	7:30 Breakfast 8:30 HUGS Welcome 9:30 Group photo 9:45 check-in and badging	Hadron Spectroscopy (A. Austregesilo / A. Pilloni)	Mesasuring large-x quarks (A. Tadepalli)	АМ
				lunch
	Jefferson Lab Science (C. Gal)	Al for nuclear physics (C. Fanelli / K. Suresh)	Mechanical properties of hadrons (A. Freese)	PM
			Recap with speakers	
Wed	Intro to QCD: basics (A. SImonelli)	Hadron Spectroscopy (A. Austregesilo / A. Pilloni) Fundamental symmetries with neutrons (N. Fomin)	Student Seminars	АМ
				lunch
	Al for nuclear physics (C. Fanelli / K. Suresh)	Lattice QCD (K. Orginos)	Global QCD analysis (W. Melnitchouk)	PM
	HUGS social	HUGS socialHUGS social		
Thu	Intro to QCD: factorization theorems (A. SImonelli)	Fundamental symmetries with neutrons (N. Fomin)	Student Seminars	АМ
				lunch
	SoLID: Parity Violation and Beyond (M. Nycz)	Lattice QCD (K. Orginos)	Poster Session	PM
	Recap with speakers	Recap with speakers		
Fri	Jlab tour	Fundamental symmetries with neutrons (N. Fomin)	Student Seminars	АМ
				lunch
	Nonperturbative methods in QCD (C. Weiss)	Lattice QCD (K. Orginos)	Prizes and Farewell	PM
			FAREWELL "PICNIC"	





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# Keep an eye and a ear on:

#### **The HUGS 2025 web page**

- Detailed info on all school elements
- Seminars and Poster Info coming soon

Slack:

- Most school announcements
- Discussions, chats
  - Students, lecturers, organizers
- The (evolving) program on Indico
  - This is the official school timetable

#### Live announcements in the classroom

Participate, engage → Make it even better!

# Al lectures, mini-project

#### Artificial Intelligence for nuclear phsyics:

- Regular time slots:
  - 4 lectures + 2 hands-on sessions
  - Instrictors: Cristiano Fanelli & Karthik Suresh
- Mini-project:
  - For interested people
  - Assigned on Tue, June 3<sup>rd</sup>
  - Will be discussed on Mon, June 9<sup>th</sup>, "afterhours"
- Recitations
  - (TBC) June 5<sup>th</sup> or 6<sup>th</sup>
  - June 9<sup>th</sup> : discuss strategies and results with Khartik
- Can also present as talk or poster

## Seminars & Posters

Student presentations (the best part of the school)

- Seminars: 12 + 3 minutes
  - On the last Wed, Thu, Fri morning
- Posters (+ refreshments!)
  - Last Thu afternoon
- Your choice which one
  - But all should: present + participate, ask questions, discuss

#### **Deadlines**:

- Title & Abstract: **this coming THURSDAY!!** (use form, link on Slack)
- Poster printing at JLab: **Thursday, June 5**<sup>th</sup> (send PDF)
- Peer refereed (+ poster judges)
  - Can win the coveted HUGS presentation prize(s) !!

## **Activities**

**Lab tour** just 4 you!  $\rightarrow$  Fri May 30

#### Food!

- Breakfast, May 27 @ 7:30
- HUGS social #1: May 28 @ 5pm
- HUGS social #2: June 4 @ 5pm
- Poster session refreshments: June 12, afternoon
- Farewell "picnic": June 13 @ 5pm

#### Excursions

- Sat, May 30
- Sat, June 7

Other things going on concurrently at the lab – don't get too distracted!

## A partnership

## **Students**



# Enjoy your 3 weeks!

## (and now... group pictures, then badging)

### $\rightarrow$ questions ? $\leftarrow$

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