

Welcome to HUGS 2024

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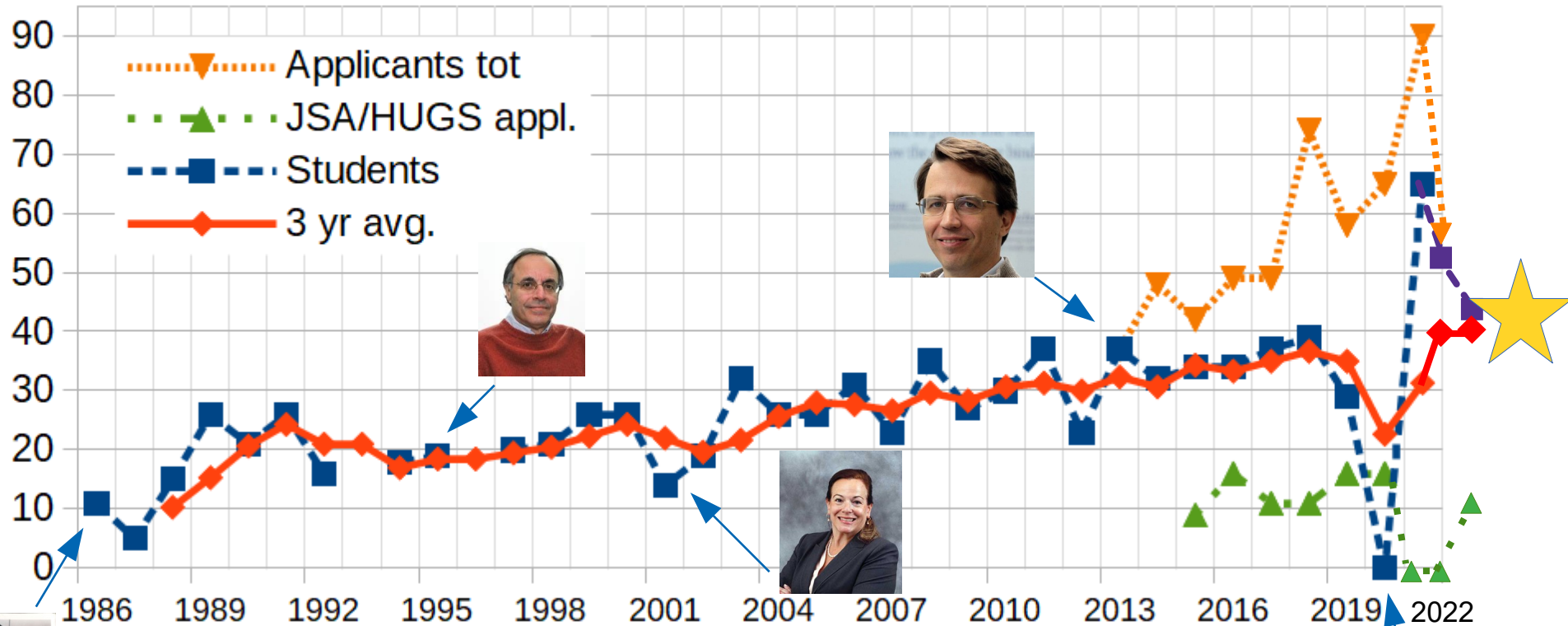


U.S. DEPARTMENT OF
ENERGY

Office of
Science

A long history

HUGS participants

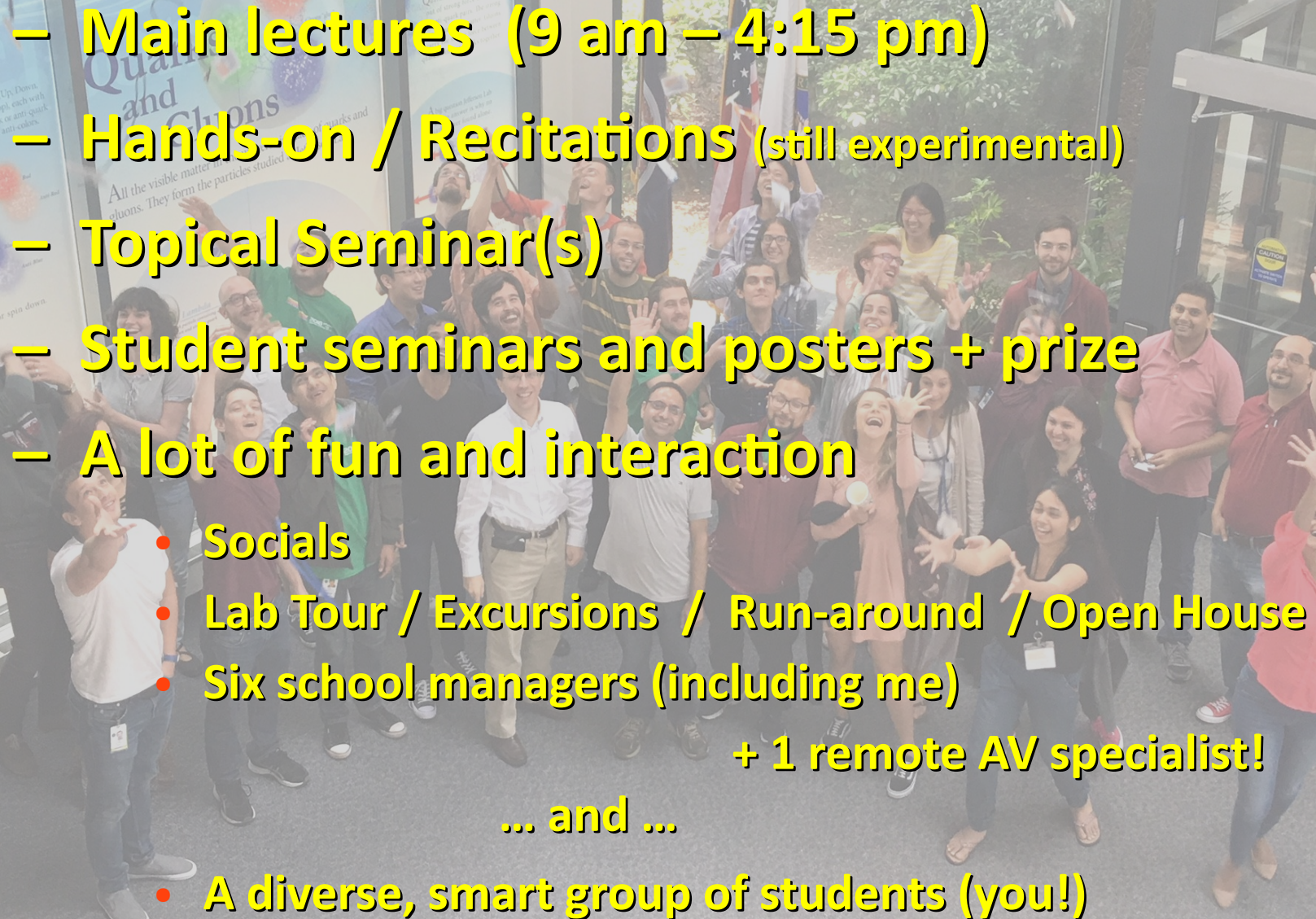


Total # students: 1000+

9-years average: 34 students/year

(Last 2 years had hybrid option)

Elements of HUGS

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- Main lectures (9 am – 4:15 pm)
 - Hands-on / Recitations (still experimental)
 - Topical Seminar(s)
 - Student seminars and posters + prize
 - A lot of fun and interaction
 - Socials
 - Lab Tour / Excursions / Run-around / Open House
 - Six school managers (including me)
 - + 1 remote AV specialist!
 - ... and ...
 - A diverse, smart group of students (you!)

Elements of HUGS



At a glance

	1st week May 28 - 31	2nd week June 3-7	3rd week June 10-14	
Mon		Neutrino interactions for hadronic physics (Ramson)	Scattering Theory & QCD Spectroscopy (Jackura)	AM
				lunch
		Perturbative QCD and Global QCD analysis (Sato)	Hadron spectroscopy from JLab to the EIC (Crede)	PM
		Recap with speakers / Recitations	Recap with speakers / Recitations	
Tue	7:30 Breakfast -- 8:00 HUGS Welcome 8:45 Greetings (lab director) -- 9:00 Resfac orientation 9:15 Workplace overview -- 10:30 check-in and badging	Machine Learning for NP - Lawrence++	Scattering Theory & QCD Spectroscopy (Jackura)	AM
				lunch
	Safety at JLab (B. May)	Perturbative QCD and Global QCD analysis (Sato)	Hadron spectroscopy from JLab to the EIC (Crede)	PM
	JLab Science: Now and in the Future (Rossi)	Recap with speakers / Recitations	Recap with speakers / Recitations	
Wed	Lattice QCD for Hadronic and Nuclear Physics (Lin)	Perturbative QCD and Global QCD analysis (Sato)	Student Seminars	AM
		Parity violation experiments at Jlab (Gal)		lunch
	JLab Science: Now and in the Future (Rossi)	Machine Learning for NP - HANDS ON	Scattering Theory & QCD Spectroscopy (Jackura)	PM
	HUGS social	HUGS social	Recap with speakers / Recitations	
Thu	Exploring QCD at the EIC (Weiss)	Parity violation experiments at Jlab (Gal)	Student Seminars	AM
				lunch
	Lattice QCD for Hadronic and Nuclear Physics (Lin)	Neutrino interactions for hadronic physics (Ramson)	Poster Session	PM
	JLab run-a-round	Recap with speakers / Recitations	FAREWELL "PICNIC"	
Fri	Jlab tour	Parity violation experiments at Jlab (Gal)	Student Seminars	AM
				lunch
	Exploring QCD at the EIC (Weiss)	Neutrino interactions for hadronic physics (Ramson)	Farewell & Prizes	PM
	Lattice QCD for Hadronic and Nuclear Physics (Lin)			
	JLab Open House			

Keep an eye or a ear on:

❑ The HUGS 2024 web page

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

❑ Slack:

- Most school announcements
- Discussions, chats
 - Students, lecturers, organizers

Participate, engage

→ Make it even better!

❑ The (evolving) program on Indico

- This is the official school timetable

❑ Live announcements in the classroom

Lectures

□ In person!

- HUGS is optimized for in person participation
- ...plus hands-on/recitations/recaps

□ But main lectures will also be:

- Live streamed on Zoom
 - And later posted on **YouTube**
- Few remote participants
 - raise hands, ask questions, write in chat

Weather

□ Usually:

- Hot and humid outside
- Freezing inside (heavy air conditioning in most public spaces)
- Mostly sunny, but – increasingly – it can rain

□ Suggestion:

- Bring sweater, light jacket
- Sunscreen

□ Attention:

- **There are ticks in the woods** → may be good to have bug repellent

Activities (special this year!)

- ❑ **JLab Run-a-Round** → Thu, May 30
- ❑ **Lab tour just 4 you!** → Fri May 31
- ❑ **JLab Open House** → Sat, June 8
 - Volunteer
 - Attend
 - But... Fri, June 7 we'll be in a different room/building
- ❑ **Excursions**
 - Sat, June 1
 - Sun, June 9
- ❑ **JLab Users Organization meeting** → June 10-12
 - Common lunches, maybe
 - Lot's of other students people, poster session, ...

Seminars & Posters

- ❑ Student presentations (the best part of the school)
 - **Seminars:** 12 + 3 minutes
 - On the last Wed, Thu, Fri – morning
 - **Posters:**
 - Last Thu afternoon

- ❑ Your choice which one
 - But all should: present + participate, ask questions, discuss

- ❑ **Deadlines** will be announced
 - **Title & Abstract**
 - **Poster printing** (at least a week before, I think)

- ❑ Peer refereed (+ poster judges)
 - Can win the coveted HUGS presentation prize(s) !!

A partnership

Students



**Organizers
and lecturers**

Enjoy your next 3 weeks!

(and hang out a little longer now with us)

→ questions ? ←