

# Welcome to

Tom Mehen and Anselm Vossen



Duke  
UNIVERSITY

Jefferson Lab

# Code of Conduct

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The code of conduct for SPIN 2023 follows the core principles of the APS code of conduct for scientific meetings, which reads:

**All participants will conduct themselves in a professional manner that is welcoming to all and free from any form of discrimination, harassment, or retaliation.** Participants will treat each other with respect and consideration to create a collegial, inclusive, and professional environment. Creating a supportive environment to enable scientific discourse is the responsibility of all participants.

Participants will avoid any inappropriate actions or statements based on individual characteristics such as age, race, ethnicity, sexual orientation, gender identity, gender expression, marital status, nationality, political affiliation, ability status, educational background, or any other characteristic protected by law. Disruptive or harassing behavior of any kind will not be tolerated. Harassment includes but is not limited to inappropriate or intimidating behavior and language, unwelcome jokes or comments, unwanted touching or attention, offensive images, photography without permission, and stalking.

**Violations of this code of conduct policy should be reported to the Local Organizers.** Sanctions may range from verbal warning, to ejection from the meeting without refund, to notifying appropriate authorities. Retaliation for complaints of inappropriate conduct will not be tolerated. If a participant observes inappropriate comments or actions and personal intervention seems appropriate and safe, they should be considerate of all parties before intervening.

# Physics at Duke University



Department of Physics  
Established shortly after founding of Duke University in 1924



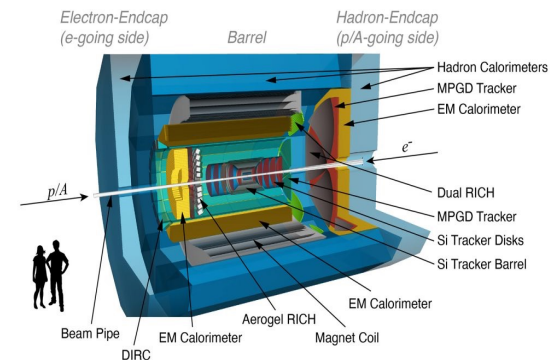
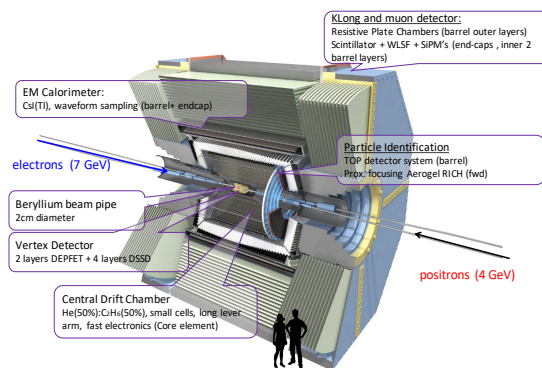
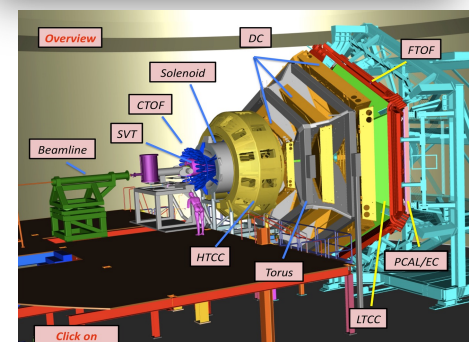
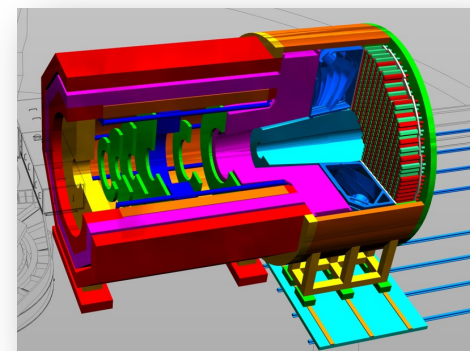
Hertha Sponer, Duke Physics Professor from 1936 to 1966  
First woman Professor in science at Duke  
Instrumental in attracting world class faculty to Duke in the early years.

Of the three women who qualified for university teaching in Germany before WWII, two are affiliated with Duke: Hertha Sponer and Hedwig Kohn

# Nuclear Physics at Duke University



- Broad program in Medium Energy and Spin Physics
  - Jlab: SoLID, CLAS
  - EIC
  - Belle II
- Low Energy Physics Program at TUNL
- Theory
  - Effective field theory of (Exotic) Hadrons
  - Quark Gluon Plasma Physics
  - Lattice Gauge Theory

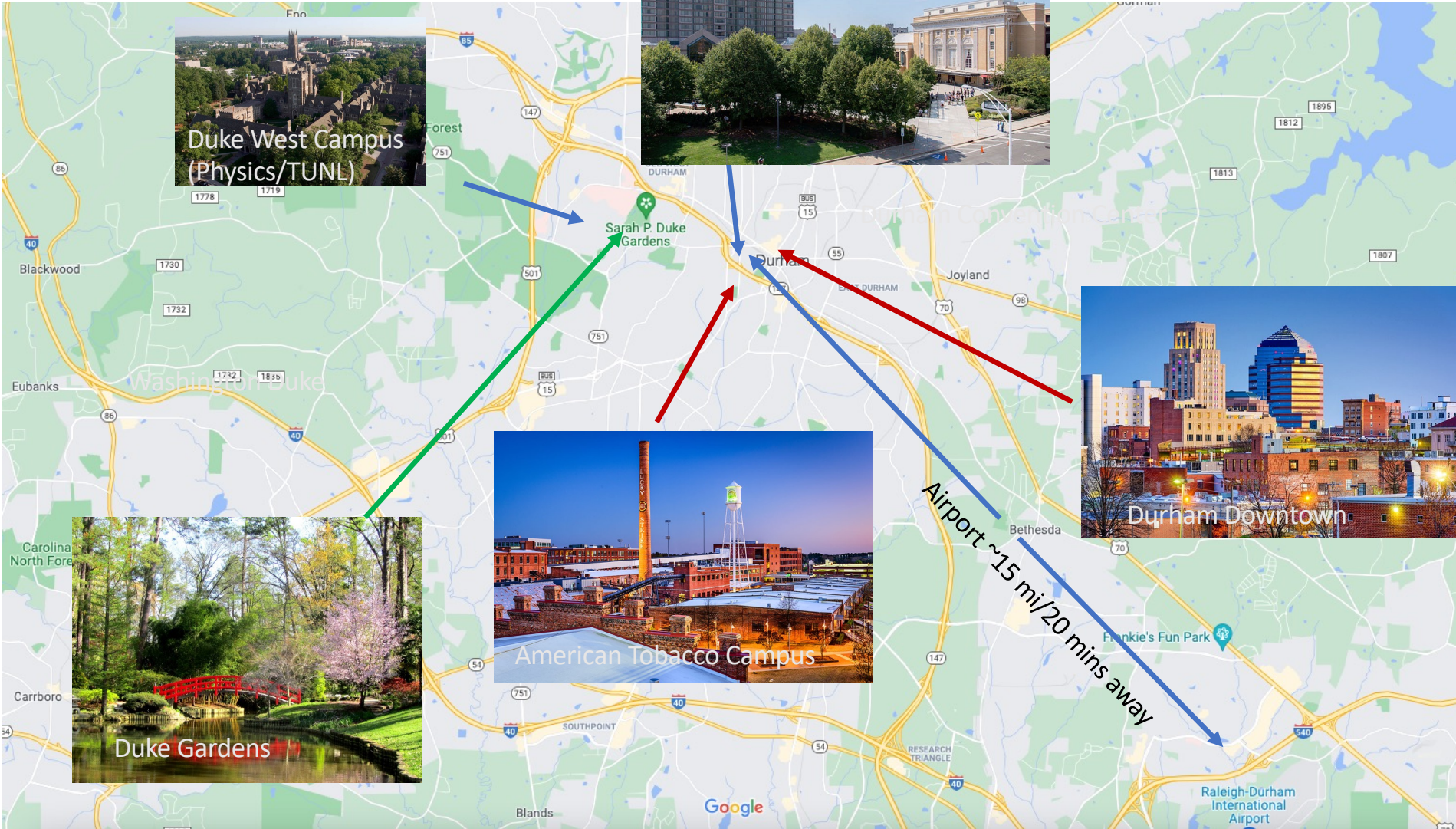
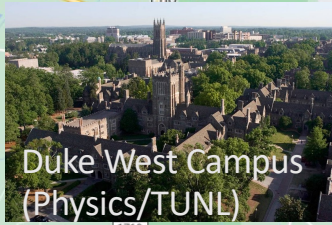


# Triangle Universities Nuclear Laboratory

- Hosts the Triangle Universities Nuclear Laboratory since 1965
- Tour option on Wednesday
  - High Intensity Gamma Ray Source (HIGS)
  - Tandem Lab
  - Laboratory for Experimental Nuclear Astrophysics (LENA)







# Durham is the Bull City



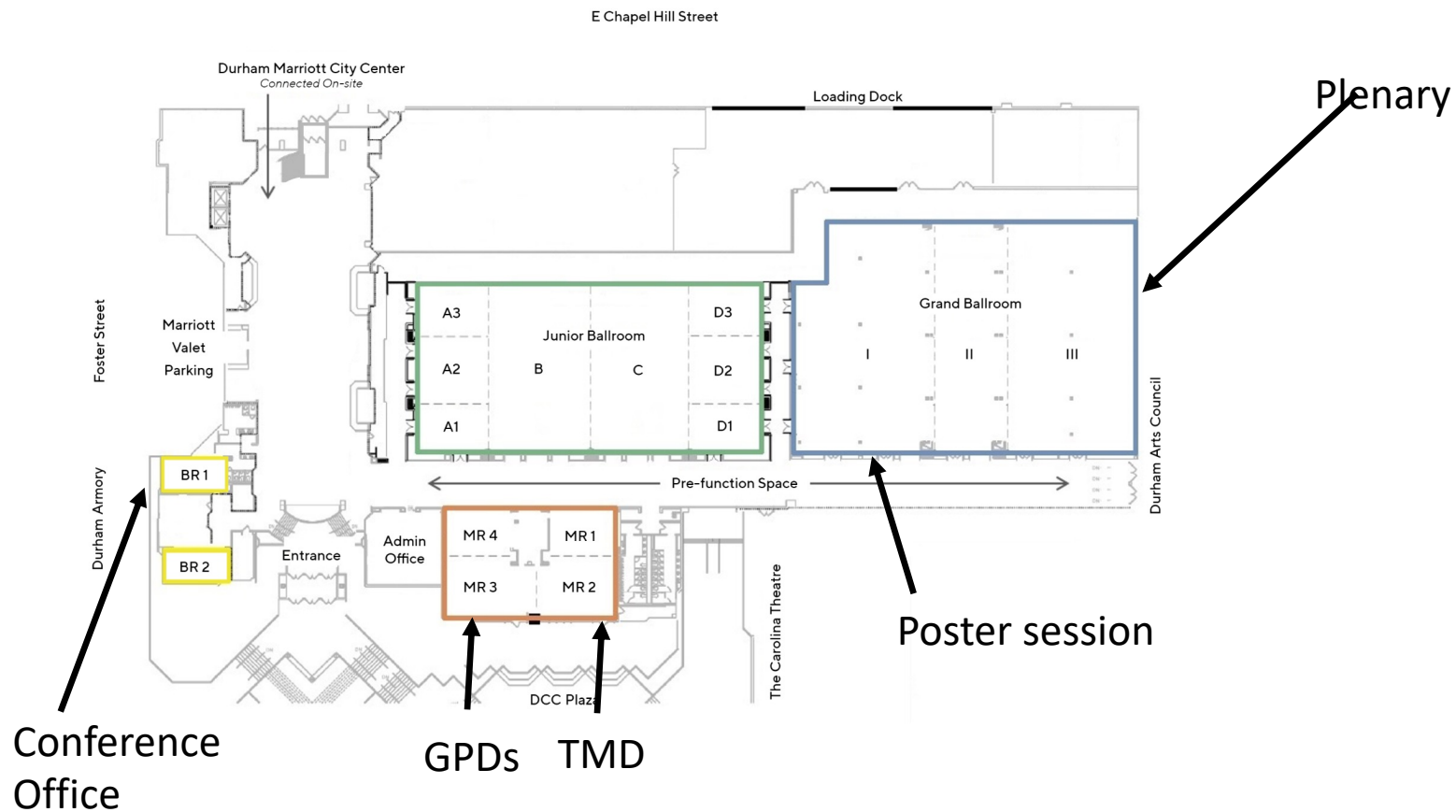


# Durham Downtown and Convention Center



- Plenty of food options within walking distance
  - Fullsteam Brewery
  - Durham Food Hall
  - Parlor for ice cream
  - ...
- American Tobacco Campus is worth visiting
- You can visit e.g. [DiscoverDurham.com](http://DiscoverDurham.com) for more information on Durham





# Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	Plenary	Parallel	parallel	plenary	Plenary
	Plenary	Parallel	parallel	Plenary	Plenary
				Conference Picture	
	Parallel	Parallel	Excursion	Plenary	Plenary
	Parallel	Parallel	Excursion	Plenary	Plenary
Registration/ Reception			Social Dinner	Poster session	

- We will have boxed lunches on all days except Wednesday
- **Conference Picture: Thursday after the 2<sup>nd</sup> Plenary session**
- Buses for the excursion will leave at 2:30pm

# A big thanks to all the conveners of the sessions!

## **Nucleon helicity structure**

- Emanuele Nocera
- Sebastian Kuhn
- Andrey Tarasov

## **Spin physics in Nuclear Reactions and Nuclei**

- Ian Cloet
- Elena Long

## **3D Structure of the Nucleon: TMDs**

- Martha Constantinou
- Daniel Pitonyak
- Andrea Signori

## **3D Structure of the Nucleon: GPDs and Form Factors**

- Charlotte Van Hulse
- Paweł Sznajder
- **Low Energy Spin Physics with Lepton, Photon and Hadron Probes**
- Nikolaos Sparveris
- Franziska Hagelstein
- Tom Jude

## **Fundamental Symmetries and Spin Physics Beyond the Standard Model**

- Emilie Passemar

## **Acceleration, Storage and Polarimetry of Polarized Beams**

- Oleg Eyser
- Vadim Ptitsyn
- Hiromi Iinuma

## **Polarized Ion and Lepton Sources and Targets**

- Matt Poelker
- Todd Averett
- Erdong Wang

## **Future Facilities and Experiments**

- Patrizia Rossi
- Ernst Sichterman

## **Application of Nuclear Polarization Techniques to Other Fields**

- Thomas Theis
- Tamara Branca

## **Spin in Heavy Ion Collisions**

- Jinfeng Liao
- Jinhui Chen
- Takafumi Niida



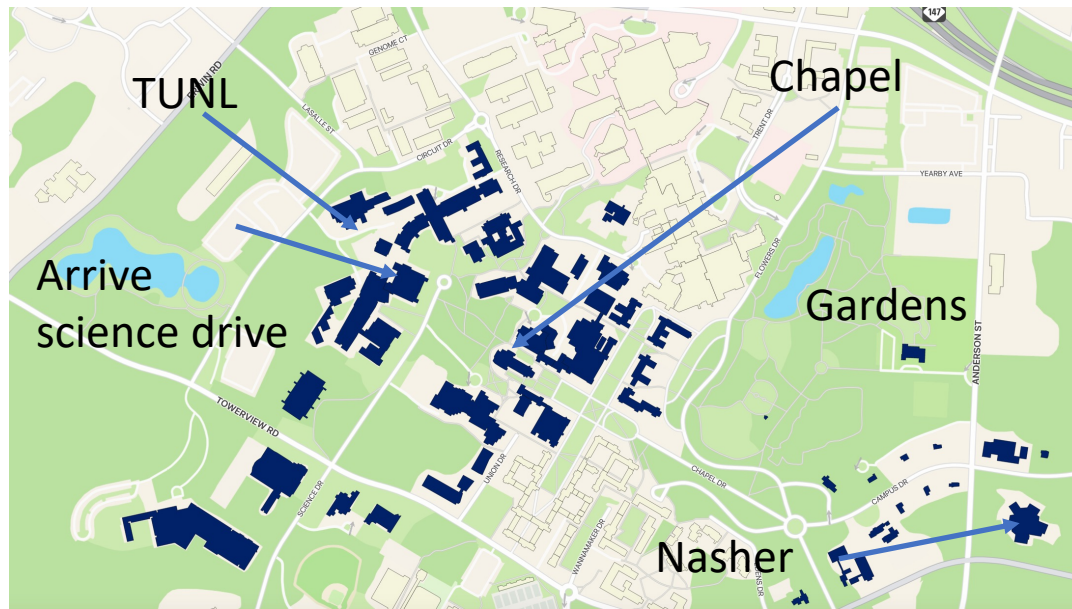
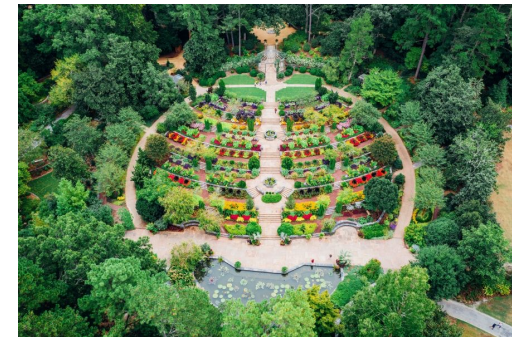
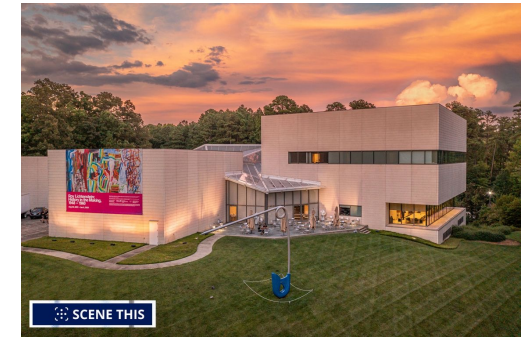
# Talk upload

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- Please upload your talk at least 30mins before the session to indico!

# Excursion on Wednesday

- Buses start at 2:30pm
- First stop: Duke Campus
- 3:30 pm Two options
  - Tour of TUNL (max 48)
    - Signup sheets will be sent out
  - Duke Chapel
    - History
    - Organ demonstration
- ≈4:30pm: walk to Duke Gardens and/or explore campus
- 6:30-7pm arrive at Nasher for Dinner
  - Exhibition with guides accessible
- Total distance to walk less than 2 miles: Please let the organizers know if you need assistance



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**We Welcome you to Durham!**