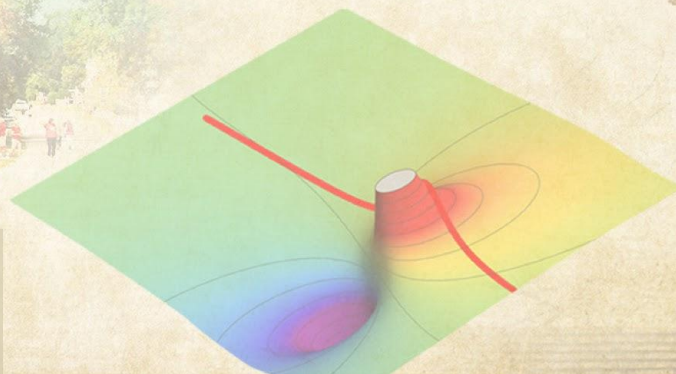


Partial Wave Analyses and Advanced Tools for Hadron Spectroscopy

PWA13/ATHOS8

May 28 - June 1, 2024

William & Mary, Williamsburg, VA



Contact: athos2024@jlab.org

<http://indico.jlab.org/e/athos2024>

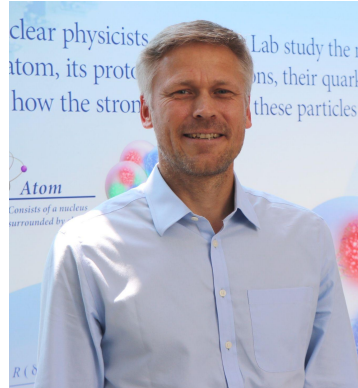
International Advisory Committee

Marco Battaglieri, **Raúl Briceño**, Volker Burkert, **Michael Döring**, David Ireland,
Beijiang Liu, Curtis Meyer, Eulogio Oset, Michael Ostrick, **Stephan Paul**, Anton Poluektov,
Elisabetta Prencipe, **Jonas Rademacker**, Alberto Corrêa dos Reis, Toru Sato, Jin Shan,
Alfred Švarc, **Adam Szczepaniak**, Ulrike Thoma, Qiang Zhao, Bing-Song Zou

Local Organizing Committee



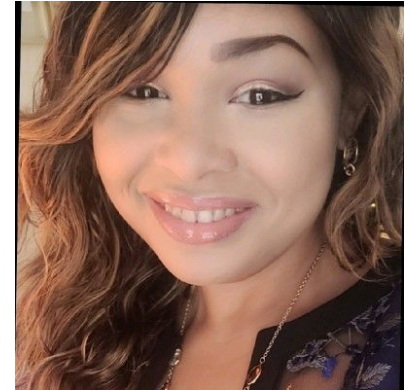
Alexander Austregesilo
Jefferson Lab



Boris Grube
Jefferson Lab



Justin Stevens
William & Mary



Jeanine Gilmore
William & Mary
Conference & Events AD

With generous support:



Spirit of PWA/ATHOS

- Bring together experimental and theoretical groups working in hadron spectroscopy
- Emphasis on methods and tools for data analysis
- Challenges that are common in the study of excited baryons, mesons, and exotic hadrons
- Special focus on innovative statistical methods like artificial intelligence and machine learning (AI/ML)
- Active participation in the discussions is encouraged

Please stick to your assigned time slot:

- 45 min time slot: 35 min talk +10 min discussion
- 30 min time slot: 20 min talk +10 min discussion

Timetable

<https://indico.jlab.org/event/739/timetable>

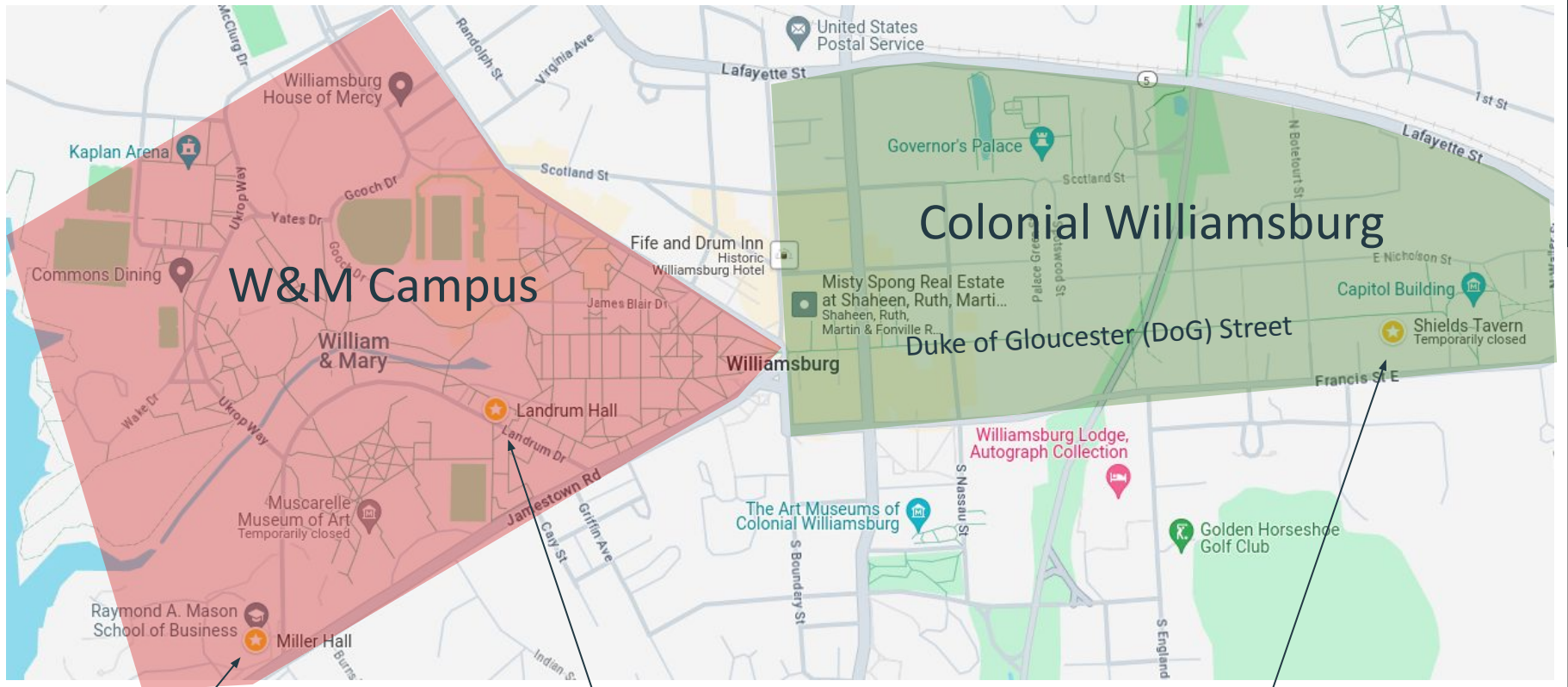
- Spectroscopy of heavy mesons, baryons, and exotic hadrons with heavy quarks
- Spectroscopy of light mesons and baryons
- Advanced tools and methods for partial-wave and amplitude analyses
- Models for partial-wave and amplitude analyses
- Amplitude analysis as input for other fields

Each day: mix of talks from different tracks to encourage discussions and finding potential connections

Williamsburg and W&M

- Williamsburg founded 1632 as English settlement “Middle Plantation”
- Capital of the Colony and Commonwealth of Virginia from 1699 to 1780
- Center of political events in Virginia leading to the American Revolution

- College of William & Mary, established in 1693
- Second-oldest institution of higher education in the United States
- Alumni include three U.S. presidents, many other important figures in the nation's early history
- One of the most beautiful college campuses in the United States (Travel+Leisure 2011)



W&M Campus

Colonial Williamsburg

Duke of Gloucester (DoG) Street

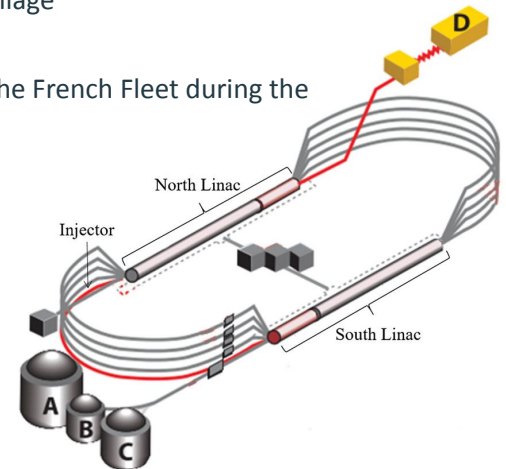
Workshop Venue

Dorm Room Accommodation

Workshop Dinner

Sights

- Colonial Williamsburg (walking distance)
 - Living-history museum, several hundred restored or recreated buildings from the 18th century
 - Free to explore daily 9am - 5pm , ticket needed to visit guided sites, historic trades, and gardens
- Jamestown National Historic Site (6 miles)
 - Ruins of the first permanent English settlement in North America
 - Living-history museum with recreations of a 1610s fort and a Powhatan Indian village
- Yorktown (16 miles)
 - Site of the siege and subsequent surrender to General George Washington and the French Fleet during the American Revolutionary War on October 19, 1781
- Thomas Jefferson National Accelerator Facility (21 miles)
 - Established 1984, “Exploring the nature of matter”
 - Home of the Continuous Electron Beam Accelerator Facility (CEBAF)



Provisions



- Lunch provided at Miller Hall each day
- Reception on Tuesday evening
- Free Thursday afternoon
- Banquet Thursday 7-9pm at Shields Tavern in Colonial Williamsburg:
 - Accompanying persons?

Food & Drink Recommendations

- Within walking distance:
 - Amber Ox, Blue Talon Bistro, DoG Street Pub (American, Brewpub)
 - Berret's (Seafood)
 - College Delly, Paul's Deli, Green Leafe (Diner, Bar)
 - Precarious Beer Project (Craft Brewery, Tacos, Burger)
 - Mellow Mushroom (Pizza)
- A bit further away:
 - Peter Chang (Chinese)
 - Kephi (Greek)
 - Amiraj (Indian)
 - Alewerks, Billsburg, Virginia Beer Co (Craft Breweries)

Code of Conduct

Please remember that it is everyone's responsibility to:

- Conduct themselves in a professional manner free from discrimination, harassment, or retaliation
- Treat each other with respect and consideration
- Create a supportive and inclusive environment.

Enjoy PWA13/ATHOS8!

