

# **The 1st International Workshop on TeV Muon-Ion Colliders**

**Wednesday 13 December 2023 - Friday 15 December 2023**

**Rice University**

## **Scientific Programme**

The workshop aims to foster a highly interactive environment for researchers in HEP and NP communities. The program consists of invited talks, each reserved with ample time for discussion. Topics include:

Physics at muon colliders, TeV DIS machines and EIC  
Status and prospects of muon accelerators and colliders  
Concept and design options of muon-ion colliders  
Machine-detector interface, detector requirements for muon-based colliders vs. EIC, as well as their synergies  
Long range plan status in particle and nuclear physics, synergies and path forward.

Dedicated topical discussion sessions are also planned.

List of confirmed speakers/participants so far:

Karri DiPetrillo  
Sergo Jindariani  
Abhay Deshpande  
Katsuya Yonehara  
Christoph Montag  
Donatella Lucchesi  
Xuan Li  
Thomas Ullrich  
Mark Palmer  
Feng Yuan  
Maria Chamizo Llatas  
Diktys Stratakis  
Kingman Cheung