

- Member since 2012, currently the only US group in COMPASS
- Group members:
  - Faculty: Matthias Grosse Perdekamp, Jen-Chieh Peng, Naomi Makins, Caroline Riedl
  - Postdocs + Research Scientists: Vincent Andrieux, Riccardo Longo, Jaakko Koivuniemi
  - PhD students: currently 4
  - Visiting scholars: currently 2
- Experience in past 5-10 years:
  - Focus on TMD degrees of freedom at COMPASS, JLab, E906, HERMES, Belle and PHENIX.
  - Instrumentation projects (co-)led by COMPASS faculty at UIUC Nuclear Physics Lab:
    - Tungsten-SciFi electromagnetic calorimeter for sPHENIX (Riedl), development of radiation-hard Zero-Degree Calorimeter for ATLAS (Perdekamp), large-area drift chamber DC5 for COMPASS (Riedl, Perdekamp), RPCs for PHENIX W-trigger (Perdekamp), trigger hodoscopes for E906 (Makins), PHENIX forward EMC (Perdekamp).
  - COMPASS data production + simulation using petascale computing resources on Blue Waters (Riedl, Longo)
  - Service contributions: LoI AMBER co-coordinator (Andrieux), COMPASS run coordinator (Andrieux 2018), COMPASS technical coordinator (Riedl 2017/18), COMPASS deputy analysis coordinator (Andrieux since 2017), HERMES GPD convener / deputy analysis coordinator (Riedl 2008-2012/0), HERMES analysis coordinator (Makins 2006-2008), PHENIX spin physics convener (Perdekamp), PHENIX run coordinator (Perdekamp), PHENIX deputy spokesperson (Perdekamp), spokesperson of several experiments at JLab and elsewhere (Peng).
- Analysis focus: Drell-Yan, petascale computing, instrumentation focus: tracking detectors and calorimeters
- Main COMPASS++/AMBER interests: Drell-Yan program, proton radius measurement