

## UConn Particle-Astro-Nuclear (PAN) Theory Group

Tom Blum: lattice gauge theory; muon  $g-2$ ; hadronic decays

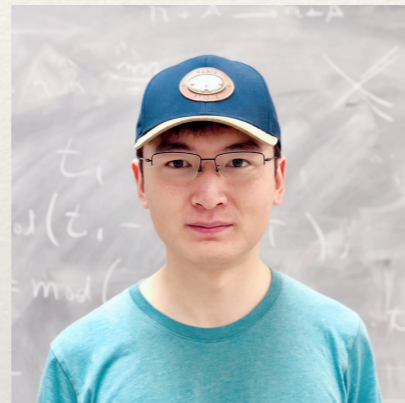
Gerald Dunne: quantum field theory, intense-laser physics, math-physics

Luchang Jin: lattice gauge theory; muon  $g-2$ ; nuclear physics

Alex Kovner: high energy quantum chromodynamics; heavy-ion collisions

Philip Mannheim: astro-particle physics; cosmology

Peter Schweitzer: quantum chromodynamics; parton distribution functions



National Laboratory connections:

Brookhaven: Blum, Jin, Kovner, Dunne

RBRC (RIKEN, BNL, Columbia): Blum, Jin

Jefferson Lab: Schweitzer

Funding: DOE, NSF



## UConn Particle-Astro-Nuclear (PAN) Experimental Group

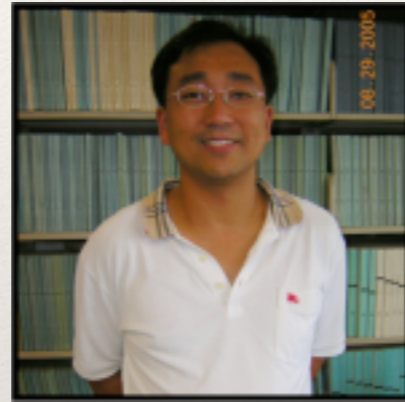
Richard Jones: exotic mesons, hybrid mesons, detector

Kyungseon Joo: parton distributions, nucleon structure

Andrew Puckett: nucleon form factors; spin structure; pions

Alan Wuosmaa: exotic nuclei, nuclear astrophysics, detectors

+ currently hiring 1 new faculty for Fall 2024



National Lab collaborations:

Jefferson Lab: Jones, Joo, Puckett

Argonne Nat. Lab: Wuosmaa, Joo

Michigan State FRIB: Wuosmaa

CHESS (Cornell): Jones

Funding: DOE, NSF



our recent students work at:

Livermore National Lab (CA); Jefferson Lab (VA); Brookhaven National Lab (NY); Dept. Defense (DC); Army Research Lab (NY);

UNC Chapel Hill; Johns Hopkins (MD); Davidson College (NC); Springfield College (MA); West Virginia State; Quinnipiac Univ (CT); Univ. North Georgia (GA);

Univ. Mer Del Plata (Argentina); National Univ. Rwanda; IIT Bombay (India); UNAM (Mexico); NCNS Warsaw (Poland); ELI-NP (Romania); Institute of Basic Science (Korea); Univ. S. Maria (Chile);

Pratt & Whitney (CT); Canberra / Mirion Technologies (CT); Siemens Medical Research (IL); Ericsson Cloud Robotics (Italy); Mitre Industries (VA); Nanometrics (TX); Esperdyne Tech (MA);

QuantLab (MA); AllState Data Science; Moda Operandi Data Science (NY); Xilinx Data Science (CA); Princeton Consultants (NJ); Ditto Consulting (NY);