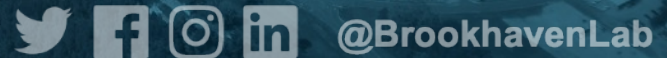# Hiring postdocs in BNL Nuclear Theory Group

Peter Petreczky

11/08/2021

@BrookhavenLab

BNL NTG: A flagship of DOE Nuclear Theory

Excellence in scientific research aimed towards supporting and guiding the experimental programs at RHIC and the future EIC

Training a new generation of scientists (most of the former group
postdocs are now faculty members across the globe working in RHIC
and EIC physics or in high performance computing)

Overall, 35 NT postdocs/students in permanent positions worldwide since 2000, and 20 since 2010, most recent ones: Boussarie (CNRS, France); Steinbrecher (Intel); Zhao (ANL).

P. Caucal (SUBATECH, France), P. Scior (Zeiss)

Lay out future directions in Nuclear Physics:

Gluon Saturation in eA collisions, Chiral Magnetic Effect, synergy of QIS

and physics of RHIC and EIC

https://www.bnl.gov/physics/ntg/

Staff and postdocs

Scientific Staff:

Y. Hatta (RBRC theory leader)

D. Kharzeev (joint with SBU)

Y. Mehtar-Tani

S. Mukherjee (co-PI SciDAC)

P. Petreczky (Group Leader,

co-PI HEFTY Coll.)

R. Pisarski (C^{2}QA, sub-thrust leader)

B. Schenke (PI SURGE Coll.)

R. Venugopalan (EIC Theory Institute)

Admin: D. Davis

Since 2020: 343 invited talks,
202 papers in refereed
journals 89 conference proceedings

Postdocs:

Joao Barata (C^{2}QA)

Sohini Bhatthacharya (joint with RBRC)

Dennis Bolweg (SciDAC)

Adrien Florio (C^{2}QA, Goldhaber Fellow)

Andrew Hanlon (SciDAC)

Hai-Tao Shu (HEFTY Coll.)

Grad student: Qi Shi (SciDAC)

C^{2}QA= Co-Design Center for Quantum Advantage
 SciDAC=Scientific Discoveries through Advanced Computing
HEFTY=Heavy Flavor Theory for QCD Matter
SURGE=Saturated Glue

Brookhaven National Laboratory

So what we are looking for ?

1) Excellent research record

2) Strong recommendation letter (which are then renormalized: what is in there and who writes them); Typically we know the letter writers

3) Special technical skills when the position is not funded by the base nuclear theory program, e.g. C^2QA or SciDAC: prior experience in quantum computing, high performance computing

4) Alignment with particular funding line (LDRD, topical Coll.)

5) Ability to embrace new research directions

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