

Stanford



Dimitrios (Dimitris) Ntounis

- Ph.D. Student in Physics, admitted Summer 2022
- Ph.D. Minor, Computer Science
- Curriculum Vitae available Online

Bio

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , Physics (2024)
- Bachelor of Science, National and Kapodistrian University of Athens, Greece , Physics (2021)

LINKS

- Personal website: <https://dntounis.github.io/>
- Google Scholar: <https://scholar.google.com/citations?user=5vCzegYAAAAJ&hl=en>
- Inspire HEP Author Profile: <https://inspirehep.net/authors/2649182>
- LinkedIn: <https://www.linkedin.com/in/dimitris-ntounis-76645b269/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Experimental Particle Physics, High Energy Physics, Future Colliders

PROJECTS

- ATLAS Experiment at the CERN LHC (June 2022 - present)
- Cool Copper Collider - SLAC National Accelerator Laboratory (6/1/2022 - present)
- CMS Experiment at the CERN LHC (2019 - 2022)

LAB AFFILIATIONS

- Caterina Vernieri, SLAC ATLAS Group (6/26/2023)
- Giorgio Gratta, Gratta Lab - Levitated Optomechanics (4/3/2023 - - 6/16/2023)
- Daniel Akerib, SLAC LUX-ZEPLIN (LZ) Group (1/9/2023 - - 3/24/2023)
- Caterina Vernieri, SLAC ATLAS Group (6/20/2022 - - 12/16/2022)

Publications

PUBLICATIONS

- **Beam-beam backgrounds for the Cool Copper Collider** *Journal of Instrumentation*
Ntounis, D., Gordon, L., Gray, L., Mettner, E., Barklow, T., Nanni, E. A., Vernieri, C., et al
2026; 21 (02)

- **Study of High-Transverse-Momentum Higgs Boson Production in Association with a Vector Boson in the qqbb Final State with the ATLAS Detector** *PRL - Physical Review Letters*
Ntounis, D., ATLAS Collaboration, et al
2024; 132 (13)
- **Luminosity Studies for the Cool Copper Collider**
Ntounis, D., Nanni, E., Vernieri, C.
edited by Jeans, D., Tian, J.
E D P SCIENCES.2024
- **Luminosity and beam-induced background studies for the Cool Copper Collider** *Physical Review Accelerators and Beams*
Ntounis, D., Nanni, E. A., Vernieri, C.
2024; 27 (6)
- **Search for resonant and nonresonant production of pairs of dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV** *JHEP - Journal of High Energy Physics*
Ntounis, D., CMS Collaboration, et al
2023; 2023 (7)
- **A “Cool” route to the Higgs boson and beyond. The Cool Copper Collider** *JINST - Journal of Instrumentation*
Vernieri, C., Nanni, E., Dasu, S., Peskin, M., Ntounis, D., et al
2023; 18 (07)
- **Sustainability Strategy for the Cool Copper Collider** *PRX Energy*
Breidenbach, M., Bullard, B., Nanni, E., Ntounis, D., Vernieri, C.
2023; 2 (4): 047001