

► *Mathematics Department*

❖ *Publication*

- 01 February 2022: Research. Asst. Pelin Ayşe Gökgöz's article "Schwarz Problem in a Ring Domain" was published in the *Applicable Analysis (Online First)*. DOI: <https://doi.org/10.1080/00036811.2022.2033234>

► *Physics Department*

❖ *Publication*

- 07 January 2022: Asst. Prof. Dr. Serhat Iştin's article "Search for heavy particles in the b-tagged dijet mass distribution with additional b-tagged jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment" was published in *Phys.Rev.D 105 (2022) 1, 012001, ATLAS Collaboration, Serhat Istin et al.* DOI: [10.1103/PhysRevD.105.012001](https://doi.org/10.1103/PhysRevD.105.012001) (publication)
- 10 January 2022: Asst. Prof. Dr. Serhat Iştin's article "Operation and performance of the ATLAS semiconductor tracker in LHC Run 2" was published in *JINST 17 (2022) 01, P01013, JINST 17 (2022), P01013, ATLAS Collaboration, Serhat Istin et al.* DOI: [10.1088/1748-0221/17/01/P01013](https://doi.org/10.1088/1748-0221/17/01/P01013)
- 10 January 2022: Asst. Prof. Dr. Serhat Iştin's article "Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector" was published in *Phys.Lett.B 824 (2022), 136832, ATLAS Collaboration, Serhat Istin et al.* DOI: [10.1016/j.physletb.2021.136832](https://doi.org/10.1016/j.physletb.2021.136832) (publication)
- 11 January 2022: Asst. Prof. Dr. Serhat Iştin's article "Search for Higgs boson decays into a pair of pseudoscalar particles in the bb $\mu\mu$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV" was published in *Phys.Rev.D 105 (2022) 1, 012006, ATLAS Collaboration, Serhat Istin et al.* DOI: [10.1103/PhysRevD.105.012006](https://doi.org/10.1103/PhysRevD.105.012006) (publication).
- 13 January 2022: Asst. Prof. Dr. Serhat Iştin's article "Search for exotic decays of the Higgs boson into bbb and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector" was published in *JHEP 01 (2022), 063, ATLAS Collaboration, Serhat Istin et al.* DOI: [10.1007/JHEP01\(2022\)063](https://doi.org/10.1007/JHEP01(2022)063).
- 03 February 2022: Asst. Prof. Dr. Serhat Iştin's article "Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector" was published in *Eur.Phys.J.C 82 (2022) 2, 105, ATLAS Collaboration, Serhat Istin et al.* DOI: [10.1140/epjc/s10052-021-09878-z](https://doi.org/10.1140/epjc/s10052-021-09878-z).

► *Turkish Language and Literature Department*

❖ *Guest Speaker*

- 19 February 2022: Prof. Dr. Ayşe Melda Üner joined as a speaker to Haber Global Channel's Günün Nabzı program and discussed technology and the use of Turkish.

If you would like to share news of national and international academic activities, please send the relevant information (as you would like it to appear) to Semih Yazaroglu (semih.yazaroglu@yeditepe.edu.tr) by the 25th of each month to be included in the following issue.