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Publons / Web Of Science ResearcherID: AAJ-7377-2021

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Education Information

Doctorate, Yale University, Graduate School of Science and Arts, Department of Physics, United States Of America 2016 - 2021

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2014 - 2016

Undergraduate Double Major, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2008 - 2014

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2008 - 2013

Research Areas

Theoretical High Energy Physics Studies

Jury Memberships

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, November, 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Momentum-space formulae for AdS correlators for diverse theories in diverse dimensions**
ALBAYRAK S., Kharel S., Wang X.
JOURNAL OF HIGH ENERGY PHYSICS, no.7, 2024 (SCI-Expanded)
- II. **Perturbative unitarity and the wavefunction of the Universe**
ALBAYRAK S., Benincasa P., Pueyo C. D.
SCIPOST PHYSICS, vol.16, no.6, 2024 (SCI-Expanded)
- III. **All plus four point (A)dS graviton function using generalized on-shell recursion relation**
ALBAYRAK S., Kharel S.
JOURNAL OF HIGH ENERGY PHYSICS, no.5, 2023 (SCI-Expanded)
- IV. **Bootstrapping $N=4$ conformal QED³**
ALBAYRAK S., Erramilli R. S., Li Z., Poland D., Xin Y.

- PHYSICAL REVIEW D, no.8, 2022 (SCI-Expanded)
- V. **On duality of color and kinematics in (A)dS momentum space**
ALBAYRAK S., Kharel S., Meltzer D.
JOURNAL OF HIGH ENERGY PHYSICS, no.3, 2021 (SCI-Expanded)
- VI. **Spinning loop amplitudes in anti-de Sitter space**
ALBAYRAK S., Kharel S.
PHYSICAL REVIEW D, no.2, 2021 (SCI-Expanded)
- VII. **Loop celestial amplitudes for gauge theory and gravity**
ALBAYRAK S., Chowdhury C., Kharel S.
PHYSICAL REVIEW D, no.12, 2020 (SCI-Expanded)
- VIII. **The inversion formula and 6j symbol for 3d fermions**
ALBAYRAK S., Meltzer D., Poland D.
JOURNAL OF HIGH ENERGY PHYSICS, no.9, 2020 (SCI-Expanded)
- IX. **Study of momentum space scalar amplitudes in AdS spacetime**
ALBAYRAK S., Chowdhury C., Kharel S.
PHYSICAL REVIEW D, no.12, 2020 (SCI-Expanded)
- X. **Towards the higher point holographic momentum space amplitudes. Part II. Gravitons**
ALBAYRAK S., Kharel S.
JOURNAL OF HIGH ENERGY PHYSICS, no.12, 2019 (SCI-Expanded)
- XI. **New relation for Witten diagrams**
ALBAYRAK S., Chowdhury C., Kharel S.
JOURNAL OF HIGH ENERGY PHYSICS, no.10, 2019 (SCI-Expanded)
- XII. **More analytic bootstrap: nonperturbative effects and fermions**
ALBAYRAK S., Meltzer D., Poland D.
JOURNAL OF HIGH ENERGY PHYSICS, no.8, 2019 (SCI-Expanded)
- XIII. **Towards the higher point holographic momentum space amplitudes**
ALBAYRAK S., Kharel S.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, 2019 (SCI-Expanded)

Metrics

Publication: 13

Citation (WoS): 371

Citation (Scopus): 370

H-Index (WoS): 10

H-Index (Scopus): 10