

Revealing Connections in QCD with Machine Learning

Friday 19 July 2024 20:40 (20 minutes)

This work utilizes text analysis techniques to uncover connections and trends in quantum chromodynamics (QCD) research over time. Through embedding-based analysis, we are able to draw conceptual connections between disparate works across QCD subfields. Examining topic clustering and trajectories over time provides insights into new phenomena gaining momentum and experimental approaches coming to prominence in the QCD research area. Furthermore, we construct citation graphs between influential papers to reveal impactful contributions and relationships, compare them with respect to their topic, and propose intertopical and citation-related recommendations.

I read the instructions above

Yes

Alternate track

1. Education and Outreach

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Session Classification: Poster Session 2

Track Classification: 14. Computing, AI and Data Handling