Contribution ID: **1017** Type: **Poster**

ChatQCD: Let Large Language Models Explore QCD

Friday 19 July 2024 20:40 (20 minutes)

Quantum chromodynamics (QCD) has yielded a vast literature spanning distinct phenomena. We construct a corpus of papers and build a generative model. This model holds promise for accelerating the capability of scientists to consolidate our knowledge of QCD by the ability to generate and validate scientific works in the landscape of works related to QCD and similar problems in HEP. Furthermore, we discuss challenges and future directions of using large language models to integrate our scientific knowledge about QCD through the automated generation of explanatory scientific texts.

Alternate track

1. Education and Outreach

I read the instructions above

Yes

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Session Classification: Poster Session 2

Track Classification: 14. Computing, AI and Data Handling