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Charged Particle Tracking in Drift Chambers Using Reinforcement Learning

Charged particle tracking for drift chamber is a task in high-energy physics. In this work, we propose using reinforcement learning (RL) to the reconstruction of particle trajectories in drift chambers. By framing the tracking problem as a decision-making process, RL enables the development of more efficient and adaptive tracking algorithms. This approach offering improved performance and flexibility in optimizing end-to-end tracking algorithms for drift chambers.

Significance

References

Experiment context, if any

BESIII

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