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Enhancing Accelerator Operation with Large Language Models

Friday 22 November 2024 10:48 (6 minutes)

This talk presents applications of Large Language Model (LLM)-powered tools for enhancing daily accelerator operation. First, an overview of LLM tools that utilize Retrieval Augmented Generation (RAG) techniques is provided, demonstrating how existing knowledge bases, such as electronic logbooks, can be leveraged. Additionally, an advanced ReAct prompting approach (Reasoning and Action) is introduced, enabling the development of interactive assistant agents with enhanced problem-solving capabilities.

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