

Tuesday, October 22nd @ 2pm
Schwinger Lounge

“Transforming the S-Matrix”

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Abstract: State-of-the-art scattering amplitude calculations often generate prohibitively large symbolic expressions that obscure simplicity and impede progress toward higher-precision results. Recently, transformer networks have shown promise in summarizing and completing sequence data, offering potential breakthroughs in simplifying expressions and streamlining these calculations. In this talk, I'll explore how neural networks can tackle such challenges and also highlight some limitations of these methods.