Lévy distributed sources from relativistic hydrodynamics

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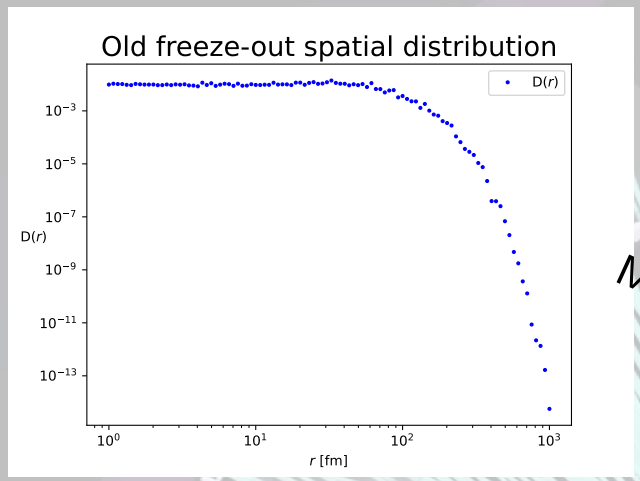
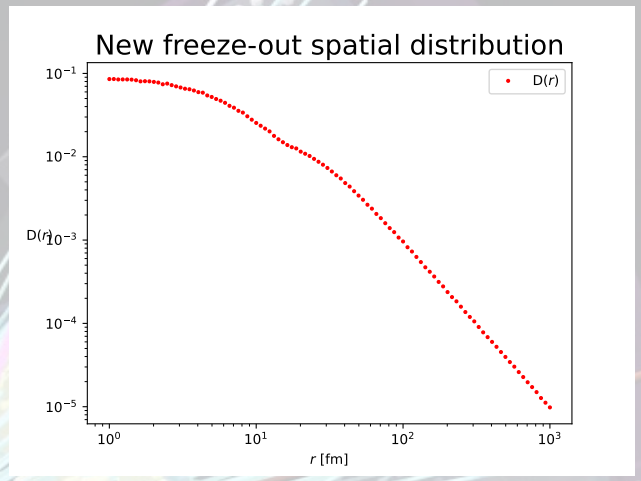


Modifications: Gaussian→Lévy



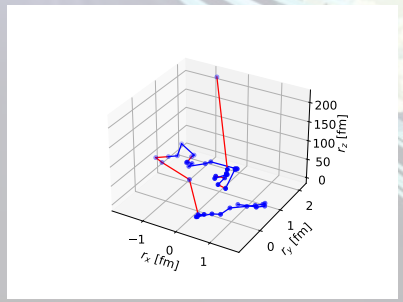
Gaussian

- Traditional wisdom and solutions: Gaussian source.
- Observation: Lévy-distributions!
- Challenge: hydro predictions hold, but power-law tails appear!
- Can we make Lévy-hydro models?

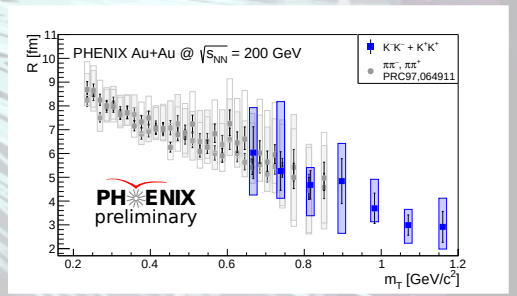
Yes, we can!

Check out my poster!

Lévy-walk ? Hydro prediction



[arXiv:2409.10373 [nucl-th]]



[arXiv:2307.09573 [nucl-ex]]

Background source: https://www.bnl.gov/rhic/images.php