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Three-dimensional sizes and shapes of pion emission in heavy-ion collisions

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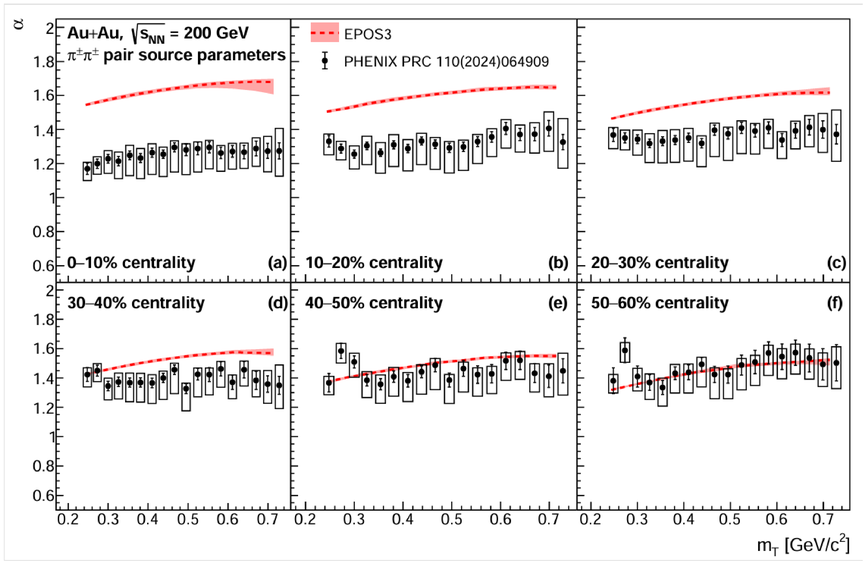
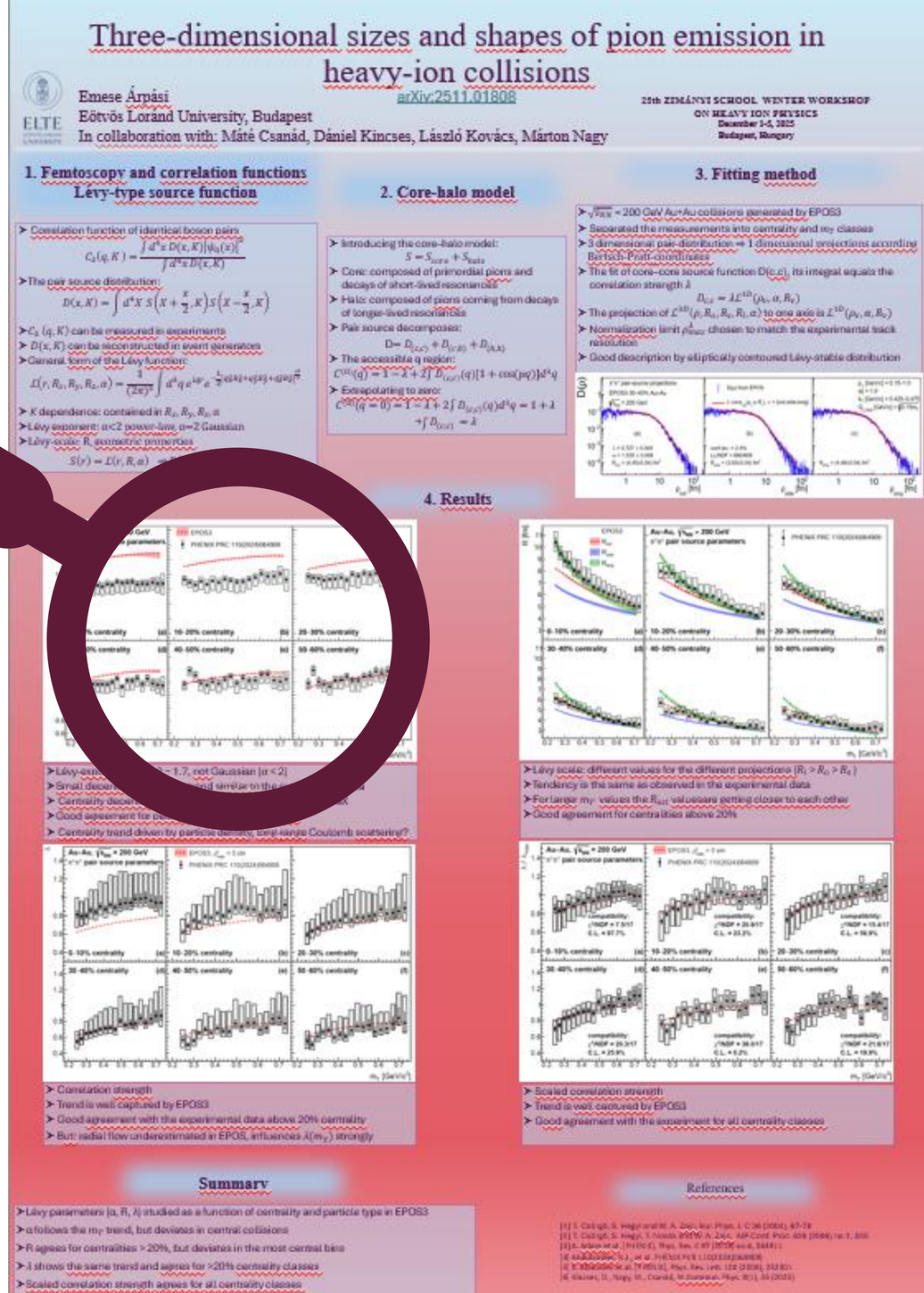
In a nutshell

- Investigation of the pair source of pion pairs with EPOS3
- Using Lévy source function
- Investigation of the centrality dependence of parameters
- Comparison of EPOS3 results and PHENIX data

  PHENIX PRC 110(2024)064909
- Good agreement for peripheral, deviation for central collisions
- Example plot: Lévy scale parameter (α):



Check out my poster to find out more!