

BES-II/FXT Highlights (6 FXT paper, one 27/54.4 GeV paper):

[Probing Strangeness Canonical Ensemble with K-,  \$\phi\(1020\)\$  and Xi- Production in Au+Au Collisions at  \$\sqrt{s\_{NN}} = 3\$  GeV](#)

*Submitted Dec. 23, 2021*

[Light Nuclei Collectivity from 3 GeV Au+Au Collisions at RHIC](#)

*Submitted Dec. 8, 2021 , published Feb. 1, 2022*

[Measurements of Proton High Order Cumulants in  \$\sqrt{s\_{NN}} = 3\$  GeV Au+Au Collisions and Implications for the QCD Critical Point](#)

*Submitted Dec. 2, 2021*

[Disappearance of partonic collectivity in 3 GeV Au+Au collisions at RHIC](#)

*Submitted Nov. 24, 2021 , published Mar. 10, 2022*

[Measurements of H3L and H4L Lifetimes and Yields in Au+Au Collisions in the High Baryon Density Region](#)

*Submitted Oct. 18, 2021*

[Global Lambda-hyperon polarization in Au+Au collisions at  \$\sqrt{s\_{NN}} = 3\$  GeV](#)

*Submitted Aug. 4, 2021 , published Dec. 21, 2021*

[Measurement of the Sixth-Order Cumulant of Net-Proton Multiplicity Distributions in Au+Au Collisions at  \$\sqrt{s\_{NN}} = 27 , 54.4\$  GeV](#)

*Submitted May. 31, 2021 , published Dec. 20, 2021*