

# Recent Hypernuclei Measurements from the STAR Experiment

TBD

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1 Hypernuclei, bound states of hyperons and nucleons, have been suggested to be sensi-  
2 tive probes to the medium properties of the nuclear matter created in heavy-ion collisions.  
3 Measurements on the intrinsic properties of hypernuclei, such as their lifetimes and binding  
4 energies, can also give constraints to the hyperon-nucleon interaction, which is an essential  
5 ingredient in the equation-of-state of high baryon density matter.

6 In this presentation, recent results on the intrinsic properties of light hypernuclei ( ${}^3_{\Lambda}\text{H}$ ,  ${}^4_{\Lambda}\text{H}$ ,  
7 and  ${}^4_{\Lambda}\text{He}$ ), as well as their production yields in heavy-ion collisions will be discussed. These  
8 results are compared with model calculations, and the physics implications will be discussed.