Erratum: Production of light (anti)nuclei, (anti)hypertriton, and di- Λ in central Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider [Phys. Rev. C **85**, 064912 (2012)]

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We found a typographical error in our di- Λ calculations in our code, which leads to the incorrect di- Λ invariant yield in Fig. 1 and wrong p_T integrated di- Λ yield ($dN_{\Lambda\Lambda}/dy$) statements in the Abstract, Results and Discussions, and Conclusions sections of the original paper.

The corrected calculations for the di- Λ invariant yield are presented in Fig. 1. The corrected p_T integrated di- Λ yield ($dN_{\Lambda\Lambda}/dy$) statements in the Abstract, Results and Discussions, and Conclusions sections are given, respectively, in C1, C2, and C3 below.

C1: The p_T integrated yield for di- Λ is $dN_{\Lambda\Lambda}/dy \sim 8.37 \times 10^{-3}$, and is not strongly dependent on the parameter employed for the coalescence process.

C2: The p_T integrated yields (dN/dy) for light (anti)nuclei, (anti)hypertritons, and di- Λ were calculated in central rapidity, as presented in Table I; $dN_{\overline{4}\text{He}}/dy \sim 1.10 \times 10^{-7}$, while $dN_{\Lambda\Lambda}/dy \sim 8.37 \times 10^{-3}$. And the production of $\Lambda\Lambda$ is not strongly dependent on the parameter employed for the coalescence model.

C3: The p_T integrated yield (dN/dy) for di- Λ is about 8.37×10^{-3} .

FIG. 1. (Color online) Differential invariant yields versus p_T distributions for p ($\bar{p}$), Λ ($\bar{\Lambda}$), and light (anti)nuclei, as well as (anti)hypertriton and di- Λ . The open symbols are experimental data points from the STAR measurement [1–3], and the black lines represent our calculations from hydrodynamical BlastWave model plus a coalescence model.

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