

$(\Omega\Omega)_{0+}$  Dibaryon Productions in Central Au+Au Collisions at RHIC Energy  $(s_{NN})^{1/2}=130$  GeV

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Abstract: Based on the measured transverse mass spectra of  $\pi^-$ ,  $K^-$ , and  $\bar{p}$  at the RHIC energy  $(s_{NN})^{1/2}=130$  GeV, di-omega productions from baryon-baryon reactions in hadronic matter are studied. Results about the  $\langle(\Omega\Omega)_{0+}\rangle$  number show that the deeply bound state  $\langle(\Omega\Omega)_{0+}\rangle$  can be observed at RHIC energies.

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