

**PAPERS PUBLISHED**  
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**Determination of the  $S_{18}$  astrophysical factor for  ${}^8\text{B}(\text{p},\gamma){}^9\text{C}$  from the breakup of  ${}^9\text{C}$  at intermediate energies**

L. Trache, F. Carstoiu, A. M. Mukhamedzhanov and R. E. Tribble  
Phys. Rev. C **66**, 035801 (2002).

**Determination of the  $S_{17}$  and  $S_{18}$  astrophysical factors from the breakup of  ${}^8\text{B}$  and  ${}^9\text{C}$  at intermediate energies**

L. Trache, F. Carstoiu, C. A. Gagliardi, A. M. Mukhamedzhanov and R. E. Tribble  
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**New  $0^+$  states in  ${}^{158}\text{Gd}$**

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**STAR Detector Overview**

K. H. Ackermann *et al.* [STAR collaboration]  
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**Direct capture S-factors from asymptotic normalization coefficients**

R. E. Tribble, A. Azhari, H. L. Clark, C. A. Gagliardi, Y.-W. Lui, A. M. Mukhamedzhanov, A. Sattarov,  
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**Disappearance of back-to-back high  $p_T$  hadron correlations in central Au+Au collisions at  $\langle S_{NN} \rangle^{1/2} = 130 \text{ GeV}$**

C. Adler *et al.* [STAR collaboration, including C. A. Gagliardi, T. W. Henry and R. E. Tribble]  
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**Azimuthal anisotropy and correlations in the hard scattering regime at RHIC**

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**Coherent  $\rho^0$  production in ultra-peripheral heavy ion collisions**

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**Asymptotic normalization coefficients in nuclear astrophysics and structure**

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M. Ahmed *et al.*, (MEGA Collaboration)

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### **Astrophysical $S$ factor for $^{13}\text{C}(p, \gamma)^{14}\text{N}$ and asymptotic normalization coefficients**

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### **Centrality dependence of high- $p_T$ hadron suppression in $\text{Au}+\text{Au}$ collisions at $\sqrt{S_{NN}} = 130 \text{ GeV}$**

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