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Measurements of the Astrophysical S Factor of $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ Reaction EVGENI TSENTALOVICH, mit
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A measurement of the astrophysical S factor of $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ reaction is proposed using the inverse $^{16}\text{O}(\gamma,\alpha)^{12}\text{C}$ reaction. The proposed experiment uses electron beam to produce Bremsstrahlung photons and allows an extension of the range of measurements down to $E_{c.m.} = 0.6 - 0.7$ MeV.

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mit

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