

Abstract Submitted
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The ^{16}N β -delayed α decay : Today and Tomorrow XIAODONG TANG, University of Notre Dame — The $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ is one of the most important reactions in nuclear astrophysics. The best determination of the S factor relies on three different experiments, the elastic scattering of α off ^{12}C , the α capture reaction on ^{12}C and the ^{16}N β delayed α decay. In this talk, I will review the current status of the existing ^{16}N decay experiments. I will also discuss the possible ^{16}N experiments in the near future to achieve more accurate S factor.

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