

Measurement of the $^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ Reaction with the St. George Recoil Separator

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The study of low energy radiative capture reactions is of prime interest for many nuclear astrophysics scenarios. St. George, a recoil separator dedicated to the study of (α, γ) reactions, has been built and commissioned. We will discuss the recent measurement of well-known resonances in the $^{14}\text{N}(\alpha, \gamma)^{18}\text{F}$ reaction. This study finalizes the commissioning phase of St. George. The results obtained and future measurements will be presented.