

## **$^{18}\text{F}(p,\alpha)^{15}\text{O}$ reaction in novae**

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The 511 keV gamma rays and below emitted by novae are mainly produced by  $^{18}\text{F}$ , the flux may be detected by satellite detectors. We can effectively constrain the novae model by comparing the theory and observation results. As the main consumed reaction of  $^{18}\text{F}$ ,  $^{18}\text{F}(p,\alpha)^{15}\text{O}$ , its reaction rate is extremely important and has been investigated for decades. This poster is mainly to introduce the gamma rays from novae and progress in studying the  $^{18}\text{F}(p,\alpha)^{15}\text{O}$  reaction rate at nova temperature.

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