







Office of Science

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- important reaction



n Lab Injector	
Reaction	
am target signal	
sal reaction targets. Number of <sup>16</sup> O nuclei – 3.5 x	
r positrons) do NOT trigger nucleation n $10^{11}$ ).	

## Summary

• Helium – carbon fusion to form oxygen is very

• It is easier to measure the disintegration of oxygen to helium and carbon when bombarded with

• At Jefferson Lab, we use electron beam to generate

• These gammas hit oxygen nuclei in laughing gas

• The laughing gas is very unstable liquid and the helium and carbon will heat the small part of it and

• The bubble generated is monitored by a camera

