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## Progress of nuclear astrophysics and underground project in China

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Jinping Underground laboratory for Nuclear Astrophysics (JUNA) project takes the advantage of the ultra-low background of CJPL lab, high current accelerator and highly sensitive detectors to directly measure a number of crucial reactions occurring at their relevant astrophysical energies. In current phase, JUNA aims at the direct measurements of  $25\text{Mg}(p,\gamma)26\text{Al}$ ,  $19F(p,\alpha)16O$ ,  $13C(\alpha,n)16O$  and  $12C(\alpha,\gamma)16O$  reactions. The progress, including experimental setup, accelerator system, detector development, and low background test, will be presented.

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