

Application of calculations in the 7Be system and further progress with the 17O system

Monday 18 November 2024 14:50 (50 minutes)

I'll discuss the state of my progress with the Test 2 fit for the 7Be system and my ideas for moving forward to test 3. I'll also discuss its use in a publication this past year on the a proposed threshold resonance in the ${}^6\text{Li}(p, \gamma)$ reaction. I'll also discuss R-matrix fitting of the ${}^{17}\text{O}$ system, in particular progress with producing a revised reaction rate for the ${}^{13}\text{C}(\alpha, n)$ reaction and a new campaign of (α, n) measurements on light nuclei up to 8 MeV.

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