## The 5th international conference on particle physics and astrophysics



Contribution ID : 827 Type : Poster

## Atomic effects in reactor antineutrino spectra calculation

Monday, 5 October 2020 19:45 (15)

To predict and interprete the results of reactor antineutrino experiments, precise theoretical knowledge of the antineutrino spectrum is needed. Reactor antineutrinos are produced in beta-decay of fission products, so, in general, any correction to individual beta-spectra will show up in the resulting antineutrino spectrum. We discuss the influence of atomic effects (such as screening, exchange and excitation) on reactor antineutrino spectra. We note that these effects may be particularly important for the conversion method, which is based on the transformation of experimental electron specta.

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Session Classification: Poster session

Track Classification: Neutrino physics