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## 127I(nu,e)127Xe reaction for solar neutrino spectrum clarification

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Solar neutrino spectrum measurement plays a crucial role for solar metallicity determination. 127I(nu,e)127Xe reaction is sensitive to CNO and boron components of the solar neutrino spectrum due to the relatively high threshold (662 KeV).

For neutrinos with energies upper  $S_n = 7.246$  MeV 127I(nu,e) capture produces 126Xe + n. The concentration ratio of 127Xe and 126Xe could clarify parameters of high energy solar neutrino spectrum and neutrino oscillations. We present production rate estimation for of 127Xe and 126Xe based on experimental strength function from 127I(p,n)Xe reaction.

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