

Short-Lived Radioisotope ^{98}Tc Synthesized by the Supernova Neutrino Process

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Nuclear Lunch Questions: March 27, 2019

1. From where do the photons which initiate photodisintegration come from?[Yenuel]
2. Why is the solar abundance distribution normalized to $\frac{Z_0}{4}$ for progenitor star? [Shiv]
3. How did the reference [1,2] in paper conclude that ^7Li , ^{19}Fe , ^{138}La , and ^{180}Ta as a ν isotopes?[Kristyn]
4. What is the cause of dip at $Z=4$ mass coordinate in Fig. 3 of the paper?[Matt]
5. How do they get the initial ^{98}Ru in the fraction calculation of $\frac{^{98}\text{Tc}}{^{98}\text{Ru}}$ at SSF?[Joey]
6. How were the QRPA model and Hauser-Feshbach calculation used to calculate the cross-section. What level of uncertainty should be expected from it?[Som]
7. In Fig 2a, what could be responsible for the large portion of the total cross-section of electron antineutrinos ($\bar{\nu}_e$) on ^{100}Ru as its not totally from ^{98}Tc or ^{99}Tc ?[Dough]
8. Why does MSW flavor change occur near the bottom of C/O rich layers?[Mahesh]
9. How does the reference [6,7] derive the energy hierarchy as $\langle \nu_e \rangle < \langle \bar{\nu}_e \rangle < \langle \nu_{\mu,\tau}, \bar{\nu}_{\mu,\tau} \rangle$ [Cole]