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

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1. From where do the photons which initiate photodisintegration come from? [Yenuel]

2. Why is the solar abundance distribution normalized to $Z_0$ 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 $\nu$ isotopes? [Kristyn]

4. What is the cause of dip at 4 mass coordinate in Fig. 3 of the paper? [Matt]

5. How do they get the initial $^{98}Ru$ in the fraction calculation of $^{98}_{98}Tc / ^{98}Ru$ 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 $<\nu_e> < \bar{\nu}_e > < \nu_{\mu,\tau}, \bar{\nu}_{\mu,\tau}$? [Cole]