

Episode One Hundred Eight - The Benefits of A Proper Understanding of the Senses and of Natural Science

Post by “Martin” of February 12, 2022 at 5:46 AM

Quote

Whether or not the Sun consists of hydrogen or not, we cannot prove (yet).

Cecilia Payne proved already around 1925 that the sun and other stars analyzed by then consist predominantly of hydrogen (with helium as other major constituent and traces of heavier elements). Her discovery made by analyzing atomic spectra was so revolutionary that she had to apply the trick to "prove" why her result cannot be correct to get her thesis accepted. Those who initially disagreed with her finding "because it could not be" quickly found out she was right. What is still not yet known with the desirable accuracy is the concentration of heavier elements than helium.