

Session III

Chaired by Reiner Kruecken

Tim Beers - Near Field Cosmology and First Star Signatures



Time for Session 3! #NucATown

Nuc Astro Town 2012



Up now: Tim Beers "Near Field Cosmology and the First Stars" #NucATown

Robert Rutledge



All speakers: What one thing do you want (astrophysicists, experimentalists, theorists) to take away from your talk? #NucATown

Robert Rutledge



In previous tweet: choose the two (of astrophysicists, experimentalists, theorists) you are *not*. #NucATown

Robert Rutledge



#nucatown how well do pop III models match these observed signatures?

Hendrik Schatz

Chiaki Kobayashi - Galactic Chemical Evolution



Up now at #NucATown: Chiaki Kobayashi "Galactical Chemical Evolution"

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George Fuller - Neutrino Physics and Weak Interactions



George Fuller "Neutrino Physics and Weak Interactions" up at #NucATown

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Next up: George Fuller (UCSD) "Neutrino Physics and Weak Interactions" #NucATown

Robert Rutledge



#NucATown George Fuller on Neutrino Astrophysics: Golden Age of Neutrino and Observational Astrophysics

Christian D. Ott



George forgot about gravitational wave astronomy!
#NucATown

Christian D. Ott



Fuller: Precision CMBR + 10m class optical telescopes + neutrino observatories create post-standard-model neutrino golden age. #NucATown

Robert Rutledge



@NucATown Fuller: neutrinos remember the proton fraction at which they were born!

Christian D. Ott



#NucATown Fuller: will get collective nu oscillations deep in core. Note: Other groups say may be suppressed by high matter density.

Christian D. Ott



@GeorgeFuller, Can you give a few explicit examples of Gamow-Teller strength distributions you'd like to see for neutrino physics? #NucATown

Chris Sullivan



Fuller: Neutrino physics is bridge btwn particle physics and cosmology #NucATown

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Nikolai Tolich - Neutrino Experiments



Nikolai Tolich: "Neutrino Experiments" #NucATown

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#NucATown Now talk by Nikolai Tolich from U Washington on neutrino detection.

Christian D. Ott



Any PhDs in the room/twitterverse earned due to some 1987a data? #NucATown

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what is the dominant contribution to the uncertainty of the predicted 8B solar nu flux? #nucatown

Hendrik Schatz



#NucATown Tolich: Gadzooks (Gadolinium doped SuperK) can see relic neutrinos. Can also see Si burning in Betelgeuse (when it happens)!

Christian D. Ott



To Nikolai: Could you talk a little more about the LENS measurement? #NucATown

Xiao Fang



#NucATown Nova will also see supernova neutrinos. Estimate is >1k events for galactic core-collapse supernova

Christian D. Ott