

Nuclear Lunch Questions

Observation of the Resonant Character of the $Z(4430)^-$ State

March 18th, 2015

1. Do these tetraquark states exist in the bottomonium-like spectrum as well? Or just the Charmonium-like spectrum? (**Yuanzhi**)
2. From where do error bars come in figure 2 and figure 4? (**Shamim**)
3. Discuss Cherenkov Detectors. (**Rekam**)
4. Derive or motivate the Breit-Wigner formula. (**Arbin**)
5. Why is a Dalitz plot useful? What information does it contain? (**Tyler**)
6. What is the significance of an Argand plot in resonance study? (**Linda**)
7. Being that the names XYZ are temporary names, who gets to name each particle once they are better classified? (**Sudhanva**)
8. Give a couple examples of Reggie Trajectories. (**Taya**)