Questions Lecture 2:

(1) Which effects in heavy ion physics are driven by density? Why are they interesting?

(2) What are the differences between hadronic and leptonic decay products? What do we probe with them?

(3) Name several of the problems going into transport models. How would you improve them?

(4) What is rescattering, why is it a problem and how can you see it?

(5) How can you improve the reconstruction probability of resonances?

(6) What are the processes to gain and lose ρ mesons?

(7) What is the shining approach used to calculate dileptons in transport models?

(8) What are the main sources of ρ mesons at low beam energies? How does it change at high energies and why?

(9) How can you (in principle) measure the a_1 meson?

(10) Why is it hard to measure the a_1 meson?