

Dear First Three Minutes Class,

For tomorrow, please be sure to have read Weinberg, Chapter VII.

Chapter VII, written in 1977, gives Weinberg's take on what happened before 0.01 s. He wrote Chapter VII just as the Standard Model, where he played a central role, began to emerge. Many things have changed since then: the quark-gluon plasma, inflation, and dark matter.

The first half, we will talk about what Weinberg thought was happening in 1977, which was not wrong, just incomplete. IN the second half, we'll fill in the particle physics part since.

1. Introduction and announcements - 5'
2. Recap and 30,000' summary - 5'
3. Discussion of Chapter VII - 30'
4. Break - 5'
5. Particle Physics - interactions, quarks, leptons, force carriers - 30'
6. Summary - 5'

Here is the zoom link (it is the same one as before):

<https://zoom.us/j/91367940095?pwd=WWNGVGJ4NU9FS1JLRW1haUNEUUiQT09>

Peter