

Dear First Three Minutes Class,

We meet next on Wednesday, Feb. 3 at 7 pm. Here is the zoom link (it is the same one as before):

[https://zoom.us/j/91367940095?
pwd=WWNGVGJ4NU9FS1JLRW1haUNEU
UliQT09](https://zoom.us/j/91367940095?pwd=WWNGVGJ4NU9FS1JLRW1haUNEUUiQT09)

Slides and materials will be posted before the meeting here:

<https://tinyurl.com/firstthreeminutes>

The reading assignment will be Chapter 3 of Weinberg. The plan is:

1. Introduction and Announcements - 5 min
2. Discussion of Chapter 3 - 35 min
We will focus on the chronology of the

universe from 5 minutes to 400,000 years, when the photons from the Big Bang were “released”, how the measurements supported this picture, and some of the technology used.

3. Break - 5 m

4. Black-body radiation - 35 min

We will discuss quantum mechanics of photons, what thermal equilibrium means, and how material radiates photons

5. Summary - 10 min

I have gotten two questions -- more are welcome — they help me prepare. I look forward to seeing all of you.

Peter

Peter Fisher

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