

Dear Colleagues and Summer Visitors,

We are happy to announce the commencement of the Physics Department Summer Lecture series for 2021. The Physics Department Summer Lecture series introduces the latest research in nuclear and particle physics being pursued at Brookhaven Lab at a level appropriate for advanced undergraduate STEM students and beginning graduate students. The series will include lectures on the Standard Model of particle physics, Quantum Chromodynamics (QCD), current and future nuclear and particle physics experiments and introductory cosmology. The lectures will cover both theoretical concepts as well as detector technologies and the latest experimental and computational techniques. The lectures are usually held Tuesdays and Fridays from noon to 1:15pm and all are welcome to attend. The first lecture is scheduled for Tuesday 6/15/2021 and Dr. Hooman Davoudiasl, from the High Energy Physics Theory group at BNL will present an introduction to the Standard Model of Particle Physics. Lectures will be announced on the lab-wide calendar and are available at

<https://www.phy.bnl.gov/schools/>

Tips for Meeting Attendees

- Mute your microphone
To help keep background noise to a minimum, make sure you mute your microphone when you are not speaking.
- Be mindful of background noise
When your microphone is not muted, avoid activities that could create additional noise, such as shuffling papers.

Additional Meeting Tips

- **Monitor the chat function** for questions as they come in, to see if people are expounding on something you covered, or to see if people are expressing poor understanding.
- **Enable video only for the presenter.** You can only see a limited number of participants anyway, depending on your screen size, and enabling video gobbles up network resources. If you plan to lecture without feedback (e.g., for a large seminar), you can also disable participant audio.
- **Schedule one or more feedback breaks.** In a physical classroom, you can see raised hands or observe confused looks. It's important to assess understanding and allow students to ask questions. An audio free-for-all can be a nightmare, but dedicated Q&A periods work really well.
- **Address Internet disruptions:** At this time, many network providers are seeing massive increases in residential bandwidth use during the day, and many users are being throttled. If participants are experiencing lagging or skipping, suggest that they use their computer to access video, while simultaneously dialing in by phone for the audio.
- Make sure your cursor is large and visible when you switch to full screen mode. This can be done in both the MAC and Windows settings.
- Use the "reactions" and Polling feature of zoom to interact with the audience.
- <https://support.zoom.us/hc/en-us/articles/213756303-Polling-for-meetings>
- Use the "annotate" feature of zoom to interact with the audience.
- Learn to use the white board feature of zoom to interact with the audience.

Best regards,

The Lecture Committee

Mary Bishai, Milind Diwan, Wlodek Guryn, Erica Lamar, Peter Petreczky, and Tom Throwe