

program

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phd/early postdoc
symposium on
non-locality

July 23, 2021

This is the program for the second phd/early postdoc symposium on **non-locality**, taking place on Friday, July 23, 06:00 Los Angeles, 09:00 New York, 15:00 Amsterdam, 21:00 Shenzhen, 22:00 Tokyo, via Zoom.

1. Introduction & ice breaker (~10 minutes)

2. Non-locality in the ultraviolet (~30 minutes)

- Stability of form factors under renormalization
- Beta functions in non-local theories and their interpretation

3. Non-locality from auxiliary fields (~30 minutes)

- Lee-Wick theories and their non-local limit point
- Effective field theories

4. Wavelet approach (~30 minutes)

- general idea of wavelets in physics
- advantages of wavelets in non-local physics

5. Closing remarks (~5 minutes)