

KEK-PH Lectures and Workshops 2020

1 July 2020 to 31 March 2021

Asia/Tokyo timezone

Overview

Timetable

Contribution List

Registration

Participant List

Past KEK-PH meetings

"KEK-PH lectures and workshops" is a form of KEK-PH workshop series at the time of Covid-19.

The annual KEK Theory Meeting on Particle Physics Phenomenology (KEK-PH) covers many topics in Particle Physics and Cosmology, from the Standard Model and models beyond it to particle cosmology and astrophysics. At the time of Covid-19, the KEK theory center is organizing an on-line lecture and workshop series, "KEK-PH lectures and workshops 2020."

4th KEK-PH + KEK-Cosmo Joint Lectures and Workshop on "Gravitational Wave"

Program

<https://conference-indico.kek.jp/event/117/timetable/#day-2020-11-04>

Lectures

Nov. 4, 16:00-18:00

16:00-17:00: Prof. Mark Hindmarsh (Sussex), "Gravitational waves from phase transitions at the electroweak scale"

17:00-18:00: Dr. Ryusuke Jinno (DESY), "Gravitational waves from first-order phase transitions: Towards a better prediction"

Short Talks

Nov. 4, 13:00-15:30

Takahiro Terada (IBS), "NANOGrav and primordial black holes"

Sunao Sugiyama (Kavli IPMU, Tokyo), "Testing stochastic gravitational wave signals by PBH microlensing"

Masaki Yamada (Tohoku), "NANOGrav and first-order phase transition in the early Universe"

Keitaro Takahashi (Kumamoto), "Future measurements of stochastic gravitational wave background through pulsar timing by SKA"

(Forthcoming) 5th KEK-PH Lectures on "Amplitude"

Program

<https://conference-indico.kek.jp/event/117/timetable/#day-2020-12-01>

Lectures

Dec. 1, 10:00-12:00: Prof. Yu-Tin Huang (NTU)

Dec. 2, 10:00-12:00: Dr. Ryota Kojima (NTU)

1st KEK-PH Lectures on "Renormalon and Resurgence" (finished)

Program

<https://conference-indico.kek.jp/event/117/timetable/#day-2020-07-01>

Lectures

Jul. 1, 7: Dr. Hiromasa Takaura (KEK), "Renormalon problem in QCD and a direction to go beyond perturbation theory"

Jul. 8, 15: Prof. Masazumi Honda (YITP), "Resummation of perturbative series and Resurgence in quantum field theory"

2nd KEK-PH Lectures and Workshop on "Collider" (finished)

Program

<https://conference-indico.kek.jp/event/117/timetable/#day-2020-08-04>

Lectures

Aug. 4: Prof. Micheal Peskin (SLAC), "Physics at e+e-collider"

Aug. 5: Dr. Zhen Liu (Maryland), "Hadron collider Physics"

Workshop

Aug. 4.

Ryo Yonamine (ILC, Tohoku)
Shigeki Matsumoto (Kavli IPMU, Tokyo)
Tomohiro Abe (KMI, Nagoya)
Norimi Yokozaki (KEK)
So Chigusa (KEK)
Shinya Kanemura (Osaka)
Michihisa Takeuchi (KMI, Nagoya)

Aug. 5.

Cheng-Wei Chiang (NTU)
Sung Hak Lim (KEK)
Tao Liu (HKUST)
Lingfeng Li (HKUST)
Soji Tsuno (ATLAS, KEK)
Satoshi Shirai (Kavli IPMU, Tokyo)
Zeren Simon Wang (APCTP)
Yasuhito Sakaki (KEK)

3rd KEK-PH + KEK-Cosmo Joint Lectures and Workshop on "Dark Matter" (finished)

Program

<https://conference-indico.kek.jp/event/117/timetable/#day-2020-10-13>

Lectures

Oct. 13, 10:00-12:00: Prof. Kentaro Miuchi (Kobe University), "Direct search of dark matter"

Oct. 21, 16:00-18:00: Prof. Georg Raffelt (Munich, Max Planck Inst.), "Particle-physics constraints from stars"

Workshop

Oct. 13, 13:00-17:40

Jongkuk Kim
Kohei Matsushita
Yoshihiko Abe
Masaki Yamada

Kento Asai
Nagisa Hiroshima
Kohei Hayashi
Kazunori Kohri

Yevgeny Stadnik
Emi Masaki
Natsumi Nagata

Organizers: So Chigusa, Sung Hak Lim, Motoi Endo, Toru Goto, Daisuke Harada, Hiroyuki Ishida, Ryuichiro Kitano, Kazunori Kohri, Ryutaro Matsudo, Hiroki Matsui, Satoshi Mishima, Mihoko M. Nojiri, Hajime Otsuka, Yutaka Sakamura, Toyokazu Sekiguchi, Hiromasa Takaura, Ryo Yokokura, Norimi Yokozaki



Starts 1 Jul 2020, 10:00
Ends 31 Mar 2021, 12:00
Asia/Tokyo



Meeting is based on-line.



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