

QUARKS ONLINE WORKSHOPS-2021

“New Physics at the Intensity Frontier”

online, June 7 — 8, 2021.

Program

Moscow, 2021

Monday, June 7

We use Moscow time (GMT+3). Talk times (25+5 min) include 25 minutes for presentations and 5 min for discussions and possible technical issues.

Afternoon Session. 13:00 Moscow Time

Chairman: *Yury Kudenko (INR RAS, Moscow)*

1. Gaia Lanfranchi (LNF-INFN, Frascati)
The search for feebly-interacting particles in the new Physics Beyond Colliders activity — 25+5 min.
2. Mikhail Kirsanov (INR RAS, Moscow)
Recent results and plans of the NA64 experiment at the CERN SPS — 25+5 min.
3. Evgueni Goudzovski (Birmingham U.)
The NA62 experiment at CERN: recent results and prospects — 25+5 min.
4. Igor Krasnov (INR RAS, Moscow)
Constraints on light scalars from PS191 results — 25+5 min.

Lunch. 15:00 -17:00 Moscow Time

Evening Session. 17:00 Moscow Time

Chairman: *Oleg Ruchayskiy (Bohr Inst., Copenhagen & IPT, Lausanne)*

5. Sergey Suvorov (LPNHE (CNRS/IN2P3), Paris) & INR RAS, Moscow)
Double-Hit Signature of Millicharged Particles in 3D segmented neutrino detector — 25+5 min.
6. Alexander Monin (EPFL, Lausanne, LPTP)
Hadronic decays of a light Higgs-like scalar — 25+5 min.
7. Abigail Keats (U. of Manchester)
Light inflaton model in a metastable Universe — 25+5 min.
8. Maxim Pospelov (Perimeter Inst., Ontario)
Light Beyond-SM particles in K-meson decays — 25+5 min.
9. Nobuchika Okada (U. Alabama, Tuscaloosa)
Gauged U(1) extended Standard Model and long-lived new particle searches — 25+5 min.

Tuesday, June 8

Afternoon Session. 13:00 Moscow Time

Chairman: *Alexey Boyarsky (Leiden U. & CERN)*

1. Marco Drewes (Catholic U. of Louvain)
A Heavy Metal Path to New Physics — 25+5 min.
2. Frank Deppisch (U. College London)
Searches for Sterile Neutrinos — 25+5 min.
3. Maksym Ovchinnikov (Leiden U.)
SHiP and searches for new physics — 25+5 min.
4. Vladimir Vava Gligorov (CNRS/IN2P3, Paris)
Status and prospects of the CODEX-b detector — 25+5 min.

Lunch. 15:00 -17:00 Moscow Time

Evening Session. 17:00 Moscow Time

Chairman: *Inar Timiryasov (EPFL, Lausanne)*

1. Oleg Brandt (Cambridge U.)
AN Underground Belayed In-Shaft (ANUBIS) experiment to search for long-lived particles using LHC service shafts at CERN — 25+5 min.
2. David Curtin (Toronto U.)
MATHUSLA LLP Detector Proposal: Current Status and Prospects — 25+5 min.
3. Dmitry Kalashnikov (Moscow Inst. of Physics and Technology)
Predictions on sgoldstino searches at FASER — 25+5 min.
4. Jonathan Feng (U. of California, Irvine)
FASER and the Forward Physics Facility — 25+5 min.

Coffee Break. 19:00 -19:10 Moscow Time

Discussion — 30 min