

Программа
Мемориального семинара
Classical and quantum physics in extreme light fields
Dedicated to Nikolay Narozhny 80th birthday

November 6, 2020: **14-00 – 20-00 (Moscow time)**
 12-00 – 18-00 (Middle European time)
 11-00 – 17-00 (UTC)

MEPhI, ONLINE ZOOM conference:

<https://zoom.us/j/91870656145?pwd=T0oxdGdoQk53dytOaEpJS2wzZnU2dz09>

ID: 918 7065 6145

Pass: 126130

Session I: 14-00 – 16-45 Moscow time

14-00 – 14-05 **Opening**

14-05 – 14-25 **Mikhail Strikhanov, MEPhI Rector**

Welcome remarks. Professor Nikolay Narozhny and his work at MEPhI

14-25 – 14-45 **Sergey Popruzhenko** (Prokhorov Institute RAS, MEPhI)

Scientific legacy of Professor Narozhny

14-45 – 15-15 **Georg Korn** (Extreme Light Infrastructure, Czech Republic). *Chirped pulse amplification as the basis for 10-PetaWatt ELI laser*

15-15 – 15-45 **Michael Grech** (Ecole Polytechnique, University of Sorbonne, France)

Overview of the Apollon & Smiley projects

15-45 – 16-15 **Efim Khazanov** (Applied Physics Institute RAS, Russia)

Toward the next generation of high-power lasers: compression after compression approach

16-15 – 16-45 **Alexander Fedotov** (MEPhI, Russia)

The Ritus-Narozhny conjecture

Session II: 17-00 – 20-00 Moscow time

17-00 – 17-30 **Sergei Bulanov** (ELI Beamlines, Czech Republic)

High power gamma flare generation in high intensity laser-matter interaction

17-30 – 18-00 **Igor Kostyukov** (Applied Physics Institute RAS, Russia)

Spatio-temporal development of QED cascades in a strong laser pulse

18-00 – 18-30 **Antonino DiPiazza** (Max Planck Institute for Nuclear Physics, Germany) *Radiation reaction in classical and quantum electrodynamics*

18-30 – 19-00 **Valery Bychenkov** (Lebedev Physics Institute RAS, Russia)

Self-trapping of extreme light

19-00 – 19-30 **Ben King** (University of Plymouth, UK)

High intensity QED and the LUXE experiment

19-30 – ... Discussion