

# Nikolay B. Narozhny

Email: narozhny@theor.mephi.ru

## Current position

**National Research Nuclear University 'MEPhI',  
Moscow, Russia**

*Head of Department of Theoretical physics, professor*



N.B. Narozhny author of over 150 scientific publications and has a strong research activity in following fields: Intense Field QED, Qavity QED, Atomic physics, Quantum Field Theory in curved space. In the same time he is professor and head of department in National Research Nuclear University.

## Recent publications

Bulanov, SS; Mur, VD; Narozhny, NB; Nees, J; Popov, VS Multiple Colliding Electromagnetic Pulses: A Way to Lower the Threshold of  $e^{+}e^{-}$  Pair Production from Vacuum, PHYSICAL REVIEW LETTERS 104 (22): Art No. 220404 2010  
Fedotov, AM; Narozhny, NB; Mourou, G; Korn, G, Limitations on the Attainable Intensity of High Power Lasers, PHYSICAL REVIEW LETTERS 105 (8): Art No. 080402 2010

Bulanov, S S; Mur, V D; Narozhny, N B; Nees, J; Popov, V S, Multiple colliding electromagnetic pulses: a way to lower the threshold of  $e^{+}e^{-}$  pair production from vacuum, Phys Rev Lett 104 (22):220404 2010

Mur, VD; Narozhny, NB; Petrosyan, AN; Lozovik, YE, Quantum dot version of topological phase: Half-integer orbital angular momenta, JETP LETTERS 88 (10):688-692 2009