

# 110th anniversary of the birth of P A Cherenkov

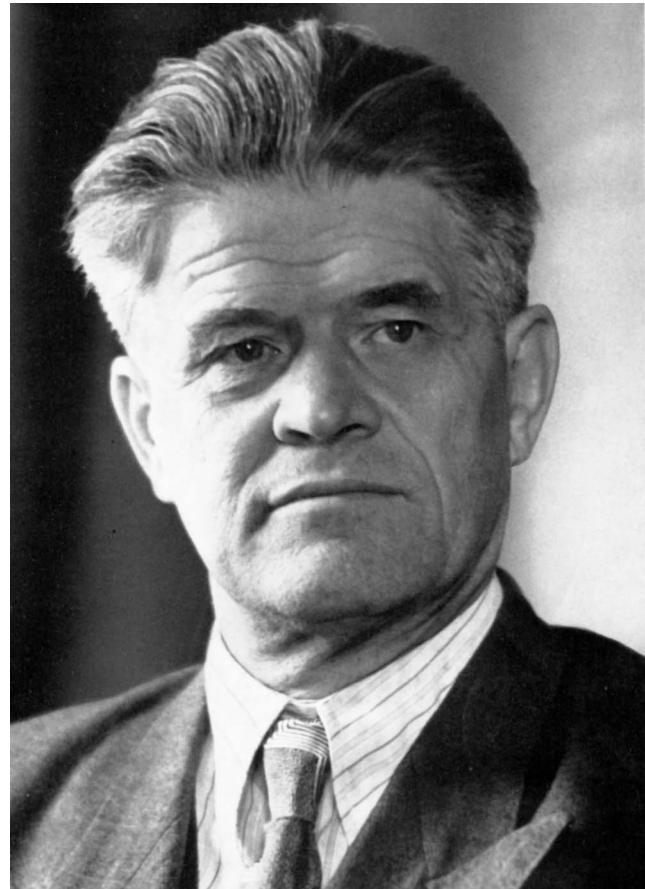
## (Scientific session of the Physical Sciences Division of the Russian Academy of Sciences, 17 December 2014)

DOI: 10.3367/UFNe.0185.201505e.0501

A scientific session of the Physical Sciences Division of the Russian Academy of Sciences (RAS) was held on 17 December 2014 at the conference hall of the Lebedev Physical Institute, RAS, devoted to the 110th anniversary of the birth of Academician P A Cherenkov.

The agenda posted on the website of the Physical Sciences Division RAS [www.gpad.ac.ru](http://www.gpad.ac.ru) comprised the following reports:

- (1) **Bashmakov Yu A** (Lebedev Physical Institute, RAS, Moscow) “Prehistory of discovery”;
- (2) **Kadmensky S G** (Voronezh State University, Voronezh) “Cherenkov radiation as a serendipity phenomenon”;
- (3) **Denisov S P** (Russian Federation State Scientific Center ‘Institute for High Energy Physics’ of National Research Center ‘Kurchatov Institute’, Protvino, Moscow region) “Use of Cherenkov counters in accelerator experiments”;
- (4) **Petrushin A A** (National Research Nuclear University ‘MEPhI’, Moscow) “Cherenkov NEVOD water detector”;
- (5) **Dremin I M** (Lebedev Physical Institute, RAS, Moscow) “Cherenkov radiation from gluons in a nuclear medium”;
- (6) **Domogatsky G V** (Institute for Nuclear Research, RAS, Moscow) “Cherenkov detectors for high-energy neutrino astrophysics”;
- (7) **Kravchenko E A** (Budker Institute of Nuclear Physics, SB RAS, Novosibirsk) “Cherenkov detectors with aerogel radiators”;



Pavel Alekseevich Cherenkov  
(1904–1990)

- (8) **Malinovski E I** (Institute for Nuclear Research, RAS, Moscow) “Cherenkov total absorption spectrometers for high-energy electrons and photons”;
- (9) **Maltseva Yu I** (Budker Institute of Nuclear Physics, SB RAS, Novosibirsk) “Distributed beam loss monitor based on the Cherenkov effect in an optical fiber”.

Papers based on oral reports 1–4, 6–9 are presented below. Some aspects of report 5 can be found in the review by I M Dremin and A V Leonidov published in 2010 in *Physics–Uspekhi* (Vol. 53, p. 1123).