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ПАМЯТИ КОНСТАНТИНА АЛЕКСАНДРОВИЧА ГРИДНЕВА (08.02.1938—10.06.2015)

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10 июня 2015 года скончался Константин Александрович Гриднев. Он был видным ученым, выдающимся организатором Международных конференций по ядерной физике и структуре атомного ядра, профессором, доктором физико-математических наук. Вся его активная жизнь была связана с физическим факультетом Санкт-Петербургского (Ленинградского) государственного университета, где он прошел путь от студента до заведующего кафедрой. К.А. Гриднев всегда стремился разрабатывать наиболее перспективные направления ядерной физики, а своим девизом выбрал слова: "Занимайся в науке не тем, чем другие, или делай не так, как другие". Еще аспирантом он понял возможности, предоставляемые только что появившимися компьютерами, и разработал программные пакеты для расчетов прямых ядерных процессов. Эти программы нашли широкое применение в крупнейших ядерно-физических центрах СССР, а результаты исследований нашли свое отражение в кандидатской диссертации К.А. Гриднева "Применение метода искаженных волн к прямым ядерным реакциям" (1966 г.). Позже К.А. Гриднев сосредоточился на теоретических исследованиях ядерной структуры и механизмов ядерных реакций. Он получил много новых интересных результатов, среди которых можно упомянуть разработку аппарата для исследования реакций передачи в резонансные состояния ядер [1]. Был предложен эффективный поверхностный потенциал для описания альфа-кластерных состояний [2] и проведено его микроскопическое обоснование с использованием оригинального компьютерного кода в рамках метода резонирующих групп [3]. Еще одним достижением этого периода являлось применение нелинейного уравнения Шрёдингера [4] для описания сжимаемости ядерного вещества при взаимодействии тяжелых ионов. Результатом проведенных исследований стала докторская диссертация К.А. Гриднева "Исследования коррелированного движения нуклонов методами прямых ядерных реакций" (1983 г.). Константин Александрович внес большой вклад в изучение границы нейтронной стабильности [5], процессов бозе конденсации [6] и кластеризации [7] в атомных ядрах. Он был автором более 150 публикаций. Эти работы были высоко оценены научным сообществом и широко цитируются в литературе. На протяжении более 25 лет Константин Александрович возглавлял кафедру ядерной физики. Несмотря на сложнейшие условия постперестроечного времени, Константину Александровичу удалось не только сохранить опытные кадры, но и воспитать молодых талантливых исследователей, которые сейчас играют ведущую роль в развитии ядерной физики в СПбГУ. Им подготовлены 5 докторов и 37 кандидатов наук. Его лекции слушали студенты и специалисты в более чем 10 странах, а его учениками с гордостью называют себя не только российские ученые, но и исследователи из Германии, Норвегии, Вьетнама, Казахстана и других стран. Константин Александрович играл важную роль в развитии научных

связей между Россией и международными ядерными центрами в США, Германии, Италии, Испании, Японии, Финляндии и в других государствах, благодаря которым были налажены как совместные научные исследования, так и зарубежные стажировки студентов, аспирантов, докторантов и молодых ученых СПбГУ. На протяжении многих лет он представлял Россию в комитете по ядерной физике Европейского физического общества, был членом редколлегий нескольких международных журналах. Особо следует отметить ключевую роль Константина Александровича в организации и проведении ежегодных Международных конференций по ядерной физике. Последние 27 лет, в том числе и в сложнейшие 90-е годы 20 века, он входил в состав или возглавлял оргкомитеты этих конференций и был фактическим лидером всего организационного процесса.

Прошел год со дня кончины Константина Александровича Гриднева. Утихла острая боль утраты. И осталась светлая память о К.А. Гридневе, которая навсегда сохранится в сердцах его друзей, коллег и учеников.

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In memory of K.A. Gridnev

LXV International Conference on Nuclear Physics «Nucleus 2015. New Horizons in Nuclear Physics,Nuclear Engineering, Femto- and Nanotechnologies». Conference is devoted to the 60th anniversary of Joint Institute for Nuclear Research June 29 – July 3, 2015, Peterhof, Saint-Petersburg

On June 10, 2015 Konstantin Aleksandrovich Gridnev had passed away. He was a prominent scientist, an outstanding organizer of International Conferences on Nuclear Physics and Nuclear Structure, Professor, Doctor of Science. All his active life was connected with the physical faculty of Saint-Petersburg State University, where he advanced from a student to the department head. K.A. Gridnev always endevoureded to develop the most promising research areas in nuclear physics. While still a post-graduate student, he understood the opportunities provided by the newborn computers and developed the program packages for calculations of direct nuclear processes.

These programs were widely used in the major nuclear physics centers. Later K.A. Gridnev focused on theoretical studies of nuclear structure and nuclear reaction mechanisms. He got a lot of new interesting results, among which one might mention investigation of transfer reactions to unbound states in nuclei, application of the nonlinear Schrödinger equation to nuclear physics. Konstantin Aleksandrovich made a great contribution to the studies of neutron drip line, Bose condensation and clustering processes in atomic nuclei. He was the author of more than 150 publications. These works were highly appreciated by scientific community and are often cited in the literature.

For more than 25 years Konstantin Aleksandrovich headed the Department of nuclear physics. During this time he prepared 5 Doctors of Science and 37 PhD's. His lectures were attended by students and professionals in more than 10 countries.

Konstantin Aleksandrovich has played an important role in the development of scientific relations between Russia and international nuclear centers in the United States, Germany, Italy, Spain, Japan and other countries. For many years he represented Russia in the Board of the Nuclear Physics Division of the European Physical Society, was a member of the editorial boards of several international journals. His friends, colleagues and students will always remember him.

Bunakov V.E., Krasnov L.V., Vlasnikov A.K.

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