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Graduate School Education

KEK is one of basis organizations of the Graduate University for Advanced Studies (SOKENDAI) with the Departments of Materials Structure Science, Accelerator Science, and Particle and Nuclear Physics. Some of the PF staff members are in charge of giving lectures and supervising graduate students. There is also a system of Joint Ph. D (JPHD) students, who are accepted by the PF to pursue advanced studies under the supervision of PF staff members towards their Ph. D degrees in collaboration with their home universities. The number of graduate students who entered SOKENDAI during the past decade is shown in Table 1.

Five young researchers obtained their Ph. D degrees with SOKENDAI under the academic advice of PF staff members in FY 2006. The Ph. D thesis of Munetoshi MAEDA is entitled "Study of Radiation Induced Cellular Responses in Low-Dose Region, Using a Synchrotron X-ray Microbeam Irradiation System". Yu Qiu presented his Ph. D thesis entitled "Dual Electro-phonon Coupling Model for Giant Photo-Enhancement of the Dielectric Constant and Electronic Conductivity in SrTiO₃". The Ph. D thesis of Osamu MORIMOTO is entitled "Unoccupied Surface States of LaB₆(100) Studied by k-Resolved Inverse Photoemission" Toru KAKIUCHI presented his Ph. D thesis entitled "Study of Charge Ordering State in Low-Dimensional Molecular Conductors using Synchrotron Radiation X-ray Diffraction" Masato AKUTSU presented his Ph. D thesis entitled "Structural

Studies of Ubiquitin-Dependent Protein-Protein Interactions in Vesicle Transport and NF-κB Signaling Pathway."

In addition to the SOKENDAI and JPHD graduate students, a number of doctoral theses have been written based on research carried out at the PF. Figure 1 shows the number of graduate students who obtained a Ph. D degree related to scientific activities at the PF.

Table 1 Number of SOKENDAI and JPHD students at the PF over the period 1992-2006.

FY	SOKENDAI	JPHD
1992	4	5
1993	6	9
1994	4	6
1995	4	6
1996	4	4
1997	2	4
1998	3	11
1999	1	5
2000	4	5
2001	4	8
2002	5	7
2003	5	8
2004	4	5
2005	4	6
2006	3	10

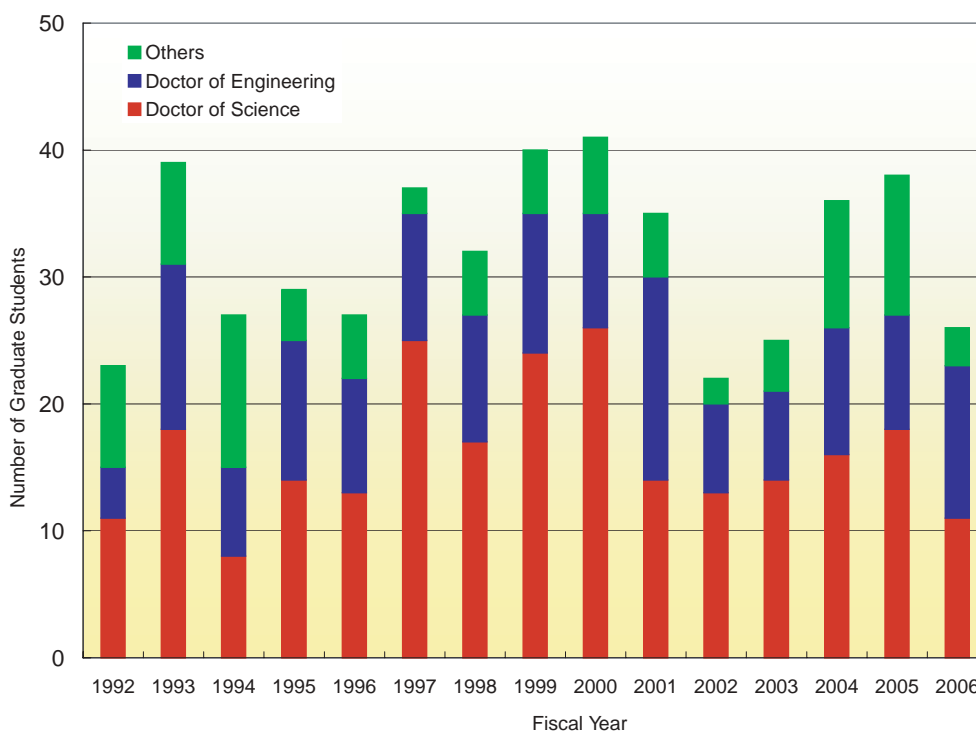


Figure 1 Number of those who obtained doctoral degrees based on scientific activities at the PF.