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## Educational Programs

KEK is one of the basis organizations of the Graduate University for Advanced Studies (GUAS) with the Departments of Materials Structure Science and Accelerator Science. 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 numbers of graduate students who entered the GUAS during the past decade are shown in Table 3.

There are three young researchers who have obtained their Ph. D degrees with the GUAS in FY2002. Shigeko MORIMOTO presented her thesis entitled "Study on the induction of genetic changes in human cells by low dose radiation". Ryotaro YABUKI submitted his theoretical study thesis with the title of "Pattern formation dynamics in photoinduced phase transitions". The Ph. D thesis of Takanori KIYOKURA is titled "Development of photoelectron spectroscopy combined with micro-beam soft X-rays".

In addition to the GUAS and JPHD graduate

Table 3 Number of GUAS and JPHD students at the PF for the period 1990-2002.

FY	GUAS	JPHD
1990	3	2
1991	6	3
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

students, a number of doctoral theses have been written based on research carried out at the PF. Figure 4 shows the number of graduate students who obtained a Ph. D degree related to scientific activities at the PF.

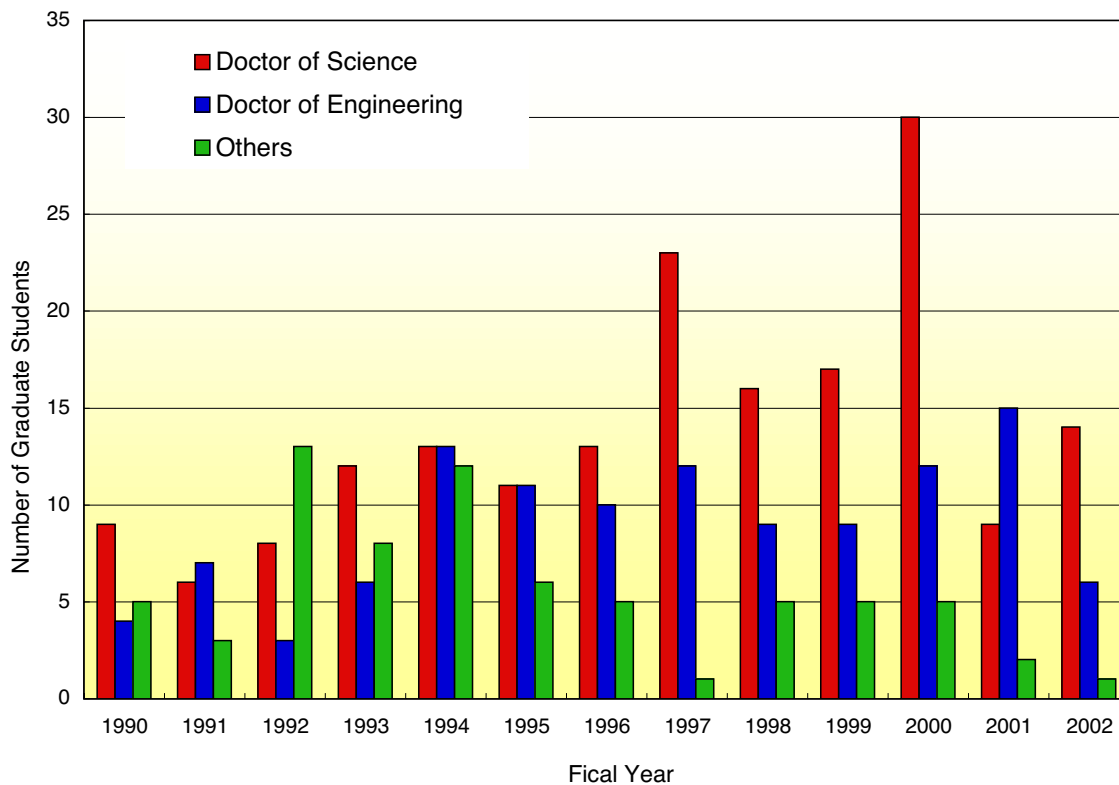


Figure 4 Number of the graduate students who obtained a doctoral degree related to scientific activities at the PF.