|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Application form for the HIMAC utilization plan**Submission Date ( )To radiation safety section manager in QST Chiba office,Request for approval the usage plan.Affiliation of the project representative　　　　　　　　　　　　　　　Name of the project representative　　　　　　　　　　　　　　　Affiliation of the project staff in QST　　　　　　　　　　　　　　（extension　　　　　　）　Name of the project staff in QST　　　　　　　　　　　　　　　**1.Purpose of using the HIMAC**

|  |
| --- |
| Title of the project |
| □New Project / □Continuation Project |
| Expected results of the project  |
| Experimental procedures  |

|  |  |  |
| --- | --- | --- |
| Irradiation room\* | Information on irradiated object(or irradiated animal) | Nuclides produced by activation and expected radioactivity |
|  | Medium energy beam irradiation room |  | Nuclide1：　　　　　Radioactivity ：　　　　　　　Bq |
|  | Physical and general-purpose irradiation room | Nuclide2：　　　　　Radioactivity ：　　　　　　　Bq |
|  | Biological irradiation room | Nuclide3：　　　　　Radioactivity ：　　　　　　　Bq |
|  | Secondary beam irradiation room | Nuclide4：　　　　　Radioactivity ：　　　　　　　Bq |

\* Place a check mark in the Irradiation room where you will be using it. |  |
| Please fill in the areas enclosed in bold frame. |
| Date of receipt | /　　/ | Number of receipt | No. －　　 |

（Form-1.5b）　　 　Project No.(　　　　　　　　)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2.Information on the irradiated object (or irradiated animal)**

|  |  |
| --- | --- |
| Whether there is a carry-in or not | In case of Yes |
| □Yes / □No | Name of the storage room and storage periodin Radiation Controlled Area | Name of the disposal roomin Radiation Controlled Area |
|  |  |
|  |
| Whether or not irradiated objects are taken out of the radiation-controlled area in HIMAC | In case of Yes |
| Name of irradiated object, animal or plant | Where to transport the irradiated objects | How to transport the irradiated objects |
| □Yes / □No  |  |  |  |

**3.Information on radioactive waste**

|  |  |
| --- | --- |
| Whether radioactive waste is generated or not | In case of Yes, check the radioactive waste details |
| □Yes / □No | □burnable　/□ Flame retardant　/□unburnable　/□animal□others（　　　　　　　　　　　　　　　　　　　　　　） |

 |  |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **4.Irradiation beam conditions**【Irradiating ions and energy】(Place a check mark in irradiating ions and energy.)

|  |
| --- |
| Irradiating ion-energy (MeV/u) |
| Irradiating ion | Medium energy beam irradiation room | Physical and general-purpose irradiation room | Biological irradiation room | Secondary beam irradiation room |
| □He | □6 | □100 / □180 / □230 | □150 | □100 / □180 / □230 |
| □C | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 | □135 / □290 □350 / □400 | □100 / □180 / □230 / □290 □350 / □400 / □430 |
| □N | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 |  | □100 / □180 / □230 / □290 □350 / □400 / □430 |
| □O | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 |  | □100 / □180 / □230 / □290 □350 / □400 / □430 |
| □Ne | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 / □600 | □230 / □400 | □100 / □180 / □230 / □290 □350 / □400 / □430 / □600 |
| □Si | □6 | □100 / □180 / □230 / □290 □350 / □400 / □430 □600 □800 | □490 | □100 / □180 / □230 / □290 □350 / □400 / □430 / □600 □800 |
| □Ar | □6 | □290 / □400 / □650 | □500 | □290 / □400 / □650 |
| □Fe | □6 | □500 | □500 | □500 |
|  |  |  |  |  |

【Number of irradiating ionic particles】(Place a check mark in number of irradiating ionic particles.)

|  |
| --- |
| Number of irradiating ionic particles (pps)\* |
| Irradiating ion | Medium energy beam irradiation room | Physical and general-purpose irradiation room | Biological irradiation room | Secondary beam irradiation room |
| □He | □2.0×1012 | □1.2×1010 | □1.2×1010 | □4.0×107 |
| □C | □1.0×1011 | □1.8×109 | □2.0×109 | □6.0×106 |
| □N | □1.0×1011 | □1.5×109 | □1.7×109 | □5.0×106 |
| □O | □1.0×1011 | □1.1×109 | □1.2×109 | □3.7×106 |
| □Ne | □1.0×1011 | □7.8×108 | □8.5×108 | □2.6×106 |
| □Si | □1.0×1011 | □4.0×108 | □4.4×108 | □1.3×106 |
| □Ar | □1.0×1011 | □2.4×108 | □2.7×108 | □8.0×105 |
| □Fe | □1.0×1011 | □2.5×108 | □2.5×108 | □8.3×105 |
|  |  |  |  |  |

\*Number of irradiating ionic particles (pps) in the table is the maximum number of particles approved for use; the actual number of irradiating ionic particles available is less. |
| **Information on experimental participants**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| (\*1) | (\*2,3) | Name | E-Mail address(\*4) | Affiliation | Status within QST. (\*5) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

（\*1）Among those who will actually participate in the project, please decide who will be responsible for representing the work group and place a check mark. This person may be different from the person who will be responsible for the project representative. If there will be a different person responsible for each machine time, please check all responsible persons.（\*2）Please place “〇” those who have completed registration as a “Radiation Worker” in QST Chiba office.（\*3）Please place “△” if you plan to register as a “Radiation Worker” in QST Chiba office.（\*4）Please fill in your e-mail address if you have one.（\*5）Please select the applicable category in QST Chiba office, from the following and fill in the appropriate alphabet. Please check with the project staff in QST to determine which category applies to you.

|  |  |  |
| --- | --- | --- |
| A: Retirees and fixed term employees in QST | F: Postdoctoral Fellow |  |
| B: Visiting Researcher | G: Invited Researcher |  |
| C: Cooperative Program Graduate Student | H: JSPS Research Fellow |  |
| D: Trainee | I: Junior Researcher Associate |
| E: Visiting Collaborative Researcher | J: others（　　　　　　　　） |

**※If you are not registered as a “Radiation Worker” in QST Chiba office by the day of the experiment, you will not be able to participate in the experiment even if your name is on the list of participants for this experiment.** |