**ANNEX A**

*PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 18 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/E3 – ELECTRONIC - ACADEMIC DISCIPLINE – ING-INF/01 – ELECTRONIC (FUND: REVADAM17)*

*announced with decree of the Rector Rep. no. 510/2017 of 25.09.2017 and posted on the official registry of the University on 25.09.2017*

**RESEARCH PROJECT**

The contract deals with the development of beam diagnostic instrumentation to be installed on the LIGHT machine, a proton LINAC for medical applications. In particular the work should focus on the non-destructive measurement of beam energy, a fundamental parameter to be measured accurately for the proper machine operation and for patient treatment. The activities can be split in different phases, summarized hereafter:

Phase 1: Assembly of the present ToF system in laboratory and complete characterization.

Phase 2: Study on the acquisition system and comparison of the different analysis methods (phase detector + ADC or direct acquisition and digital processing with FPGA). The standard to be used for control hardware and software is NI PXI and Labview.

Phase 3: Installation and commissioning of the ToF system on the LIGHT accelerator.

Phase 4: Comparison between the ToF and other beam energy methods.

At the end of each phase a deliverable is foreseen, as specified in the following list:

Deliverable Phase 1 (Not later than 6 months after contract signature): Technical report on the present system characterization in laboratory.

Deliverable Phase 2 (Not later than 12 months after contract signature): Technical report and Labview source code developed for the data processing with the two methods.

Deliverable Phase 3 (Not later than 18 months after contract signature): Technical report on the commissioning results.

Deliverable Phase 4 (Not later than 36 months after contract signature): Technical report on the final system performances on beam and comparison with other methods.

Annex B

Candidate Application Form (unstamped paper)

To the Rector

of the Università degli Studi di Bergamo

The undersigned:

|  |  |
| --- | --- |
| Last name |  |

*(for women indicate the maiden name)*

|  |  |
| --- | --- |
| Name |  |

|  |  |  |
| --- | --- | --- |
| Date of birth |  |  |

|  |  |
| --- | --- |
| Place of Birth and Province |  |

|  |  |  |
| --- | --- | --- |
| Tax Code |  |  |

|  |  |
| --- | --- |
| Residing in |  |

**REQUESTS**

In relation to the participation in the

*PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 18 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/E3 – ELECTRONIC - ACADEMIC DISCIPLINE – ING-INF/01 – ELECTRONIC (FUND: REVADAM17)*

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To this end, aware of the penalties, in the case of false statements, referred to in art. 76 of Presidential Decree 445/2000

**DECLARES**

* Italian citizenship

*or*

*to have the following* citizenship *\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_[the selection is also opened to citizens of an EU Member State or their family members who are not nationals of a Member State that have the right of residence or the right of permanent residence, as well as third-country nationals who are holders of EU residence permit for long-term residents or who have been holding refugee status or subsidiary protection status];*

* To have the following qualifications requiered by the announcement:

**Master's degree** (DL) ... ... ... ... ... in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_degree category\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_by the following institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ awarded on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ final vote achieved \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ;

**PhD in** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ by the following institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ awarded on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ study cycle \_\_\_\_\_\_\_\_\_\_\_\_\_\_ CUN Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_

(*indicate in the application the provision's details of comparability/equivalence of qualifications obtained abroad* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_);

* possession of any other requirements by the announcement (referred in art. 4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* possession of other useful qualifications for assessment purposes\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* to know the language \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(see foreign language required by the announcement);
* for applicants with citizenship other than Italian: to have adequate knowledge of Italian;
* to be enrolled on the electoral lists of the Commune\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or not to be enrolled for this reasons \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_or in case of foreign citizen (citizens of European Union Member States, or their families or third-country nationals referred to in the previous point): to enjoy civil and political rights in the countries of membership or of origin or the reasons for non-enjoyment\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* not to be excluded from active political electorate;
* to have no criminal convictions and have no pending criminal proceedings or \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*(indicate the details of related judgements, and any pending criminal proceedings)*;
* to be/not be civil servant;
* to not have a degree of kinship or affinity, or marriage, up to and including the fourth degree, with a professor from the related institution or with the Rector, the General Director or a member of the Board of Directors of the University;
* to be enrolled in the following degree course\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_in\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_from the date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ degree category\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* if enrolled in degree courses, post-graduate degrees or PhD degree with scholarship or medical specialization, in Italy or abroad, to be aware that, in the event of grant awarded:

1. attendance at such courses is incompatible with the ownership of the contract;
2. the grant is incompatible with the use of a PhD Scholarship;

* to have/not to have ownership of any research grants awarded in accordance with art. 22 of law 240 /2010 *[if so, specify the period and institution in which the activity takes place or took place]*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* to have/not to have ownership of researcher contracts under art. 24 of Law 240/2010 *[if so, specify the period and institution in which the activity takes place]*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* to be/not to be enrolled in a PhD in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_from \_\_\_\_\_\_\_\_\_\_\_\_\_\_ at the University \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ study cycle\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Cun Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* to have/not to have any PhD Scholarship (if so, specify period of enjoyment)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* only for applicants with disabilities: need of the following aids: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and require the following extra testing time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;
* to elect the following delivery address for communications related to this competition;

|  |  |  |
| --- | --- | --- |
| Street |  | No. |

|  |  |  |
| --- | --- | --- |
| Commune |  | Prov. |
|  | ZIP |  |
| Phone contact |  |  | |

|  |  |  |
| --- | --- | --- |
| E-mail |  | (obligatory) |

|  |  |  |
| --- | --- | --- |
| Certified email (PEC) |  |  |

reserving the right to promptly inform this University of any change of that address.

I submit my request for conducting the interview via videoconference by my address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and for the following motivation\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I declare, under my responsibility, that the above statement is true and undertake to prove it by submitting documents required under the terms and in the manner specified in the announcement.

I attach to my application for participation:

1. a photocopy of a valid ID document of the applicant;
2. *curriculum vitae* in European format, dated and signed;
3. declaration in lieu of certification in accordance with art. 46 of the Presidential Decree 445/2000 (see annex C) certifying the qualifications declared by the applicant in the application and in the *curriculum*;
4. declaration in lieu of affidavit under art. 47 of the Presidential Decree 445/2000 (see annex D) certifying conformity to the original of qualifications attached to the application form;
5. list, signed by the applicant, of documents and publications considered appropriate for purposes of selection such as specialization degrees, certificates of attendance to postgraduate courses, obtained in Italy or abroad, scholarships or research assignments both in Italy and abroad (see annex E);
6. in the case of foreign applicants they will need: copy of the residence permit (if the applicant is already in its possession).
7. In the case of qualifications obtained abroad not recognised as valid in the Italian territory: a certified copy of the Declaration of equivalent qualification, issued by the competent Italian diplomatic and consular authorities abroad or the degree supplement.

The undersigned hereby authorizes the collection of his personal data, which will be used as provided by the Legislative Decree (D.Lgs.) no. 196/2003, for the fulfilment of this procedure.

Date, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Signature)

**Annex C**

**DECLARATION IN LIEU OF CERTIFICATION[[1]](#footnote-1)**

**(s. 46 D.P.R. 445/2000)**

The undersigned:

|  |  |
| --- | --- |
| Last name |  |

*(for women indicate the maiden name)*

|  |  |
| --- | --- |
| Name |  |

|  |  |  |
| --- | --- | --- |
| Date of birth |  |  |

|  |  |
| --- | --- |
| Place of Birth and Province |  |

In relation to the participation in the

*PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 18 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/E3 – ELECTRONIC - ACADEMIC DISCIPLINE – ING-INF/01 – ELECTRONIC (FUND: REVADAM17)*

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aware of the criminal penalties applicable in case of deceitful declarations, as recalled by s. 76 of D.P.R. 445/2000

DECLARES

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Pursuant to s. 13 of Legislative Decree no. 196/2003, I declare to be well informed that my personal data being collected here will be treated, also in electronic form, exclusively for the scope of the procedure related to this declaration.

Date, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Signature)

**ANNEX D**

**DECLARATION IN LIEU OF AFFIDAVIT[[2]](#footnote-2)  
(s. 47 D.P.R. 445/2000)**

The undersigned:

|  |  |
| --- | --- |
| Last name |  |

*(for women indicate the maiden name)*

|  |  |
| --- | --- |
| Name |  |

|  |  |  |
| --- | --- | --- |
| Date of birth |  |  |

|  |  |
| --- | --- |
| Place of Birth and Province |  |

In relation to the participation in the

*PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 18 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/E3 – ELECTRONIC - ACADEMIC DISCIPLINE – ING-INF/01 – ELECTRONIC (FUND: REVADAM17)*

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aware of the criminal penalties applicable in case of deceitful declarations, as recalled by s. 76 of D.P.R. 445/2000

DECLARES

------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Pursuant to s. 13 of Legislative Decree no. 196/2003, I declare to be well informed that my personal data being collected here will be treated, also in electronic form, exclusively for the scope of the procedure related to this declaration.

Date, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Signature)

**ANNEX E**

**LIST OF TITLES**

The undersigned:

|  |  |
| --- | --- |
| Last name |  |

*(for women indicate the maiden name)*

|  |  |
| --- | --- |
| Name |  |

|  |  |  |
| --- | --- | --- |
| Date of birth |  |  |

|  |  |
| --- | --- |
| Place of Birth and Province |  |

In relation to the participation in the

*PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 18 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT OF ENGINEERING AND APPLIED SCIENCES OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/E3 – ELECTRONIC - ACADEMIC DISCIPLINE – ING-INF/01 – ELECTRONIC (FUND: REVADAM17)*

*announced with decree of the Rector Rep. no. 510/2017 of 25.09.2017 and posted on the official registry of the University on 25.09.2017*

I attached to the application form the following titles:

**---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------**

Date, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(Signature)

1. *This declaration may be signed by the interested in presence of the employee, or signed and submitted with a non-authenticated photocopy of a subscriber identity document.* [↑](#footnote-ref-1)
2. *This declaration may be signed by the interested in presence of the employee, or signed and submitted with a non-authenticated photocopy of a subscriber identity document.* [↑](#footnote-ref-2)