

FELIX beam time proposal[†]

March - August 200[]

September 200[] - February 200[]

Title of the project

Name of the project leader

Number of runs requested

New project

Yes

No

Type of project

pilot

short-term

long-term

Thesis work involved

Yes

No

End date

[†] see guidelines

Please provide the requested information on the following issues[†]:

2. Principal investigator and other applicants if any
3. Affiliation(s)
4. Description of the project
5. Required FELIX performance
6. Need to use FELIX
7. Equipment needed
 - a) transferred from the home institution to Rijnhuizen
 - b) available at the facility (see guidelines for more detailed information)
8. Preferred time schedule
9. Operational aspects
10. Safety hazards
11. Other remarks

[†] see guidelines

Guidelines

- 1) The cover page should be filled out as indicated.
 - One run is equivalent to 7.5 beam hours.
 - A pilot study involves testing the feasibility of a long-term project.
 - A short-term project is typically restricted to one or two experimental campaigns.
 - A long-term project would typically extend over two or more years.

- 2) Give the name(s), telephone number(s) and e-mail address(es) of the principal investigator and other applicants if any.

- 3) Give the name(s) and address(es) of the home institution(s) of the principal investigator and other applicants if any.

- 4) This section should contain a brief description of the proposed experiment (maximum 1000 words), and its relevance for the field in question. Provide references to related work by the applicants or others.

If the proposal is a continuation of a previous project, a short status report (maximum 1000 words) is mandatory. The descriptive section and the motivation can be a repeat of an earlier proposal. Give references to publications, if any, that resulted from the earlier experimental campaign(s).

- 5) Indicate your requirements on output power, spectral range, pulse duration, spectral width, stability, etc.?
(see our website[†] for FELIX characteristics)

- 6) Indicate which specific properties of FELIX are exploited and what alternative methods, if any, could be employed to address the scientific issue. Indicate if a table-top laser system available at the facility might be used instead.

[†] <http://www.rijnhuizen.nl/felix>

- 7) Indicate:
- a) Heavy or large-size equipment that will be installed by the applicant at the facility.
 - b) Special equipment (lasers, etc.) that is expected to be made available by Rijnhuizen (see our website[†] for a list of available equipment). Please note that for the molecular beam and ion trap setups strict access rules apply. Please consult the facility management (brittar@rijnhuizen.nl) before submitting your proposal in case you request access to one of these setups.
- 8) Indicate:
- Time schedule for installation of the experimental set-up;
 - Time schedule for experimental campaign;
 - Preferred mode of operation (one day of beam time per week, one week per month, etc.).
- 9) Indicate:
- Need for other than the most basic consumables (for instance liquid helium);
 - Need for accommodation in a guesthouse or hotel, number of persons involved;
 - Other operational aspects.
- 10) Provide a list of the toxic or otherwise hazardous chemicals that will be used during (preparation of) the experiment and the safety measures you intend to take to minimize the risks involved. Also safety risks that may be involved in the operation of user equipment should be mentioned.
- 11) Please give additional information that you consider relevant for a proper assessment of the proposal.

[†] <http://www.rijnhuizen.nl/felix>

Submission of the proposal preferably by e-mail (brittar@rijnhuizen.nl).

Mailing Address: Dr. B. Redlich,

FOM Rijnhuizen, PO box 1207, 3430 BE Nieuwegein, The Netherlands