

User Support Office use only

Date: \_\_\_\_\_

## Proposal for Nuclear Physics Experiment at RI Beam Factory (RIBF NP-PAC-11, 2012)

|                             |   |                                       |                                       |
|-----------------------------|---|---------------------------------------|---------------------------------------|
| <b>Title of Experiment</b>  |   |                                       |                                       |
| <b>Category</b>             | <input type="checkbox"/> NP experiment  | <input type="checkbox"/> Detector R&D | <input type="checkbox"/> Construction |
|                             | <input type="checkbox"/> Update proposal (Experimental Program: NP____ - ____ ) |                                       |                                       |
| <b>Experimental Devices</b> | <input type="checkbox"/> GARIS  | <input type="checkbox"/> RIPS         | <input type="checkbox"/> BigRIPS      |
|                             | <input type="checkbox"/> Zero Degree  | <input type="checkbox"/> SHARAQ       | <input type="checkbox"/> SAMURAI      |
| <b>Detectors</b>            | <input type="checkbox"/> DALI2  | <input type="checkbox"/> GRAPE        | <input type="checkbox"/> EURICA       |

**Spokesperson :**

|                   |  |     |  |
|-------------------|--|-----|--|
| Name              |  |     |  |
| Institution       |  |     |  |
| Title of position |  |     |  |
| Address           |  |     |  |
| Tel               |  | Fax |  |
| Email             |  |     |  |

**Beam Time Request Summary:**

Please indicate requested beam times of  $T_{\text{User-Tuning}}$  &  $T_{\text{User-Data Run}}$  only.  $T_{\text{BigRIPS}}$  and **Total** times will be given by RIKEN.

|                    |   |                                       |             |
|--------------------|---|---------------------------------------|-------------|
| Total<br>Beam Time | <b><math>T_{\text{BigRIPS}}</math> :</b><br>Tuning time with BigRIPS for secondary beam settings                                      | <i>(User Support Office use only)</i> | days        |
|                    | <b><math>T_{\text{User-Tuning}}</math> :</b><br>Tuning time for users' own equipment and/or detectors using primary / secondary beams |                                       | days        |
|                    | <b><math>T_{\text{User-Data Run}}</math> :</b><br>Beam-time for data runs   |                                       | days        |
| <b>TOTAL</b>       |   | <i>(User Support Office use only)</i> | <b>days</b> |

**Beam summary****Primary Beam:**

|          |  |        |         |           |      |
|----------|--|--------|---------|-----------|------|
| Particle |  | Energy | (EAMeV) | Intensity | (pA) |
|----------|--|--------|---------|-----------|------|

**Secondary Beams:**

| RI Beams |                |               | Beam-on-Target Time for DATA RUN |
|----------|----------------|---------------|----------------------------------|
| Isotope  | Energy (EAMeV) | Intensity(/s) | Days                             |
|          |                |               |                                  |
|          |                |               |                                  |
|          |                |               |                                  |
|          |                |               |                                  |
|          |                |               |                                  |

**Readiness**

|  |  |
|--|--|
| Estimated date ready to run the experiment |  |
| Dates which should be excluded, if any     |  |

**Summary of Experiments**



## Detailed Description of the proposed experiment

Please describe in details about the proposed experiment, where the format is free. They should include;

1. Goals and methods of the proposed experiment
  2. Estimation of beam time requested
  3. Experimental conditions such as beam conditions, targets and detectors
  4. Readiness
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