

Risk Assessment Form (3)

Must be completed before experimentation.

Student's Name(s) Somya Pathale

Title of Project _____

DOI Resolution Improvement due to Directional Control of Scintillator Light

To be completed by the Student Researcher(s) in collaboration with Designated Supervisor/Qualified Scientist: (All questions must be answered; additional page(s) may be attached.)

1. List all hazardous chemicals, activities, or devices that will be used; identify microorganisms exempt from pre-approval (see Potentially Hazardous Biological Agent rules).

Radioactive source Na-22

2. Identify and assess the risks involved in this project.

Sodium-22 is a radioactive source that emits gamma rays

3. Describe the safety precautions and procedures that will be used to reduce the risks.

- The source will be placed in a radioactive-safe container whenever it is not in the cylinder described below.
- A two inch thick lead cylinder around the source whenever it is not in its gamma-ray proof container
- This cylinder will mostly be inside a fridge
- gloves will always be used when handling the lead

4. Describe the disposal procedures that will be used (when applicable).

5. List the source(s) of safety information.

To be completed and signed by the Designated Supervisor (or Qualified Scientist, when applicable):

I agree with the risk assessment and safety precautions and procedures described above. I certify that I have reviewed the Research Plan/Project Summary and will provide direct supervision.

Amir H. Goldan
Designated Supervisor's Printed Name

Amir Cukhan
Signature

07/01/2019
Date of Review (mm/dd/yy)

Assistant Professor, Stony Brook Univ.
Position & Institution

631-638-8537
Phone or email contact information

Experience/Training as relates to the student's area of research