

Supernovae in a Lab & Messages from Exploding Stars @ Centre Branch, SJCP

JINA held two events at a local library for 36 children each, grades 3-12. The first, "Supernovae in a Lab," begin with a short introduction to nuclear physics and the chart of the nuclides. Students then separated into groups to perform marble nuclei activities such as isotope bingo. The second event, "Messages from Exploding Stars," was designed to allow children to explore "tools of the trade" in nuclear experimentation. A super-conductor zipped around on magnetic rails, scintillators were used to count cosmic rays, a cloud chamber showed traces of radiation from common objects, and liquid nitrogen was used to make edible ice cream.

Many children signed up for the second event immediately after attending the first. One parent thanked us with "I was at the presentation that you did last night at the library with my daughter and I wanted you to know how much she loved it! You guys did wonderful job simplifying nuclear astrophysics, if that's possible."



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Web Site:

<http://www.jinaweb.org/html/events.html>

<http://sjcpl.lib.in.us/ctr/>