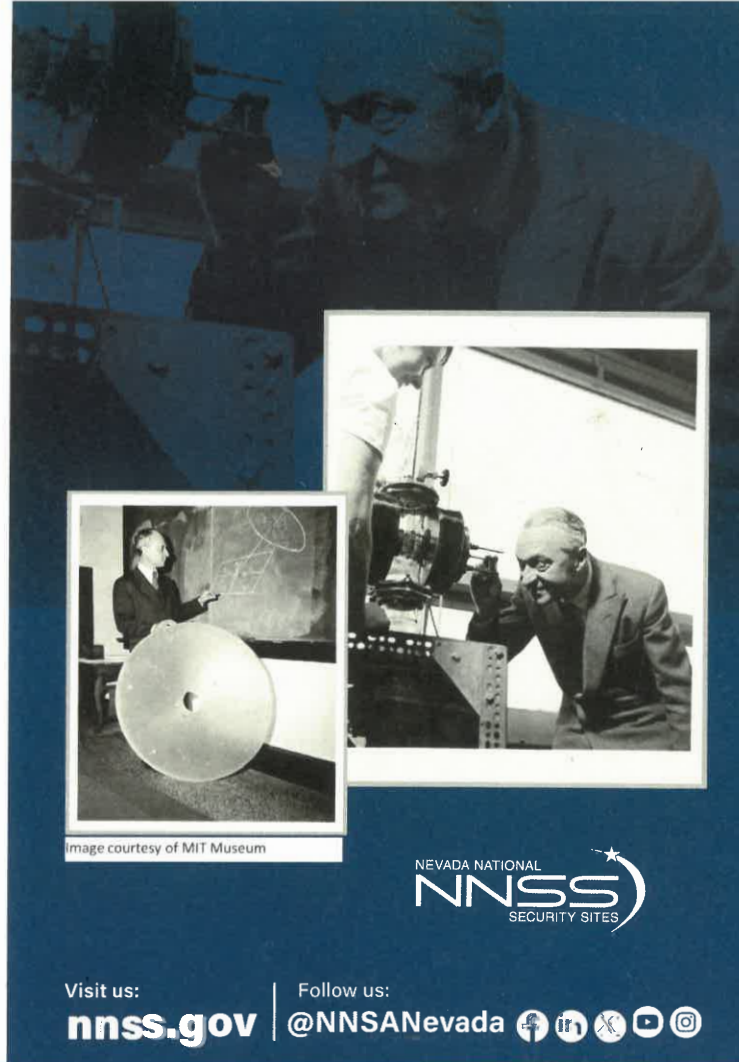


Bruno Rossi Distinguished Postdoctoral Fellowship in Science and Technology

For more information on this year's
Rossi Fellowship and to learn how
to apply, scan this QR code.

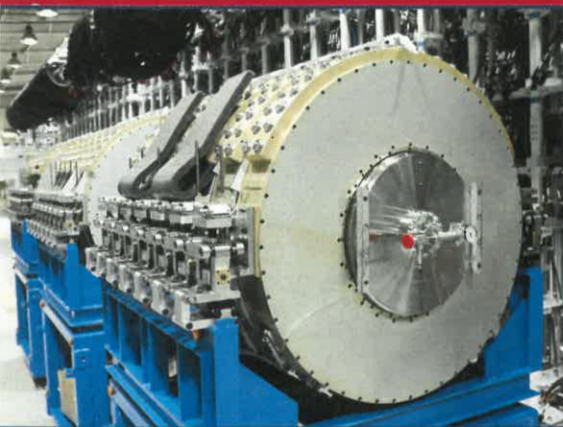


Visit us:

nnsa.gov

Follow us:

[@NNSANevada](https://twitter.com/NNSANevada)



**The Bruno Rossi
Fellowship offers a
highly competitive
salary and up to \$250K
in startup funds for:**

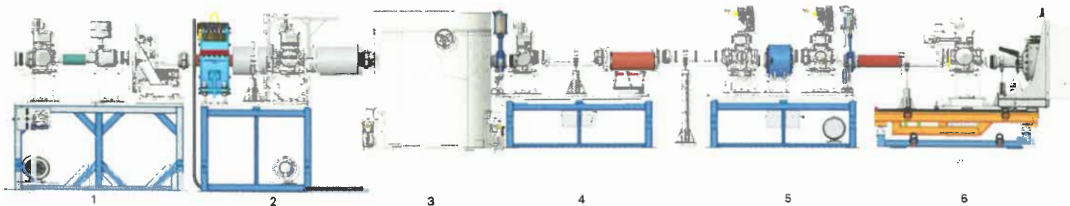
- Equipment
- Research consumables
- Conference travel
- The opportunity to hire a postdoc, grad student, or research associate

Fellows will also have access to an NNSA mentor and state-of-the-art facilities and technology.

The Nevada National Security Sites is proud to announce the Bruno Rossi Distinguished Postdoctoral Fellowship in Science and Technology, established in honor of Dr. Bruno Rossi, an experimental physicist who developed novel instrumentation to capture extremely fast physics with the limited electronics of his time. This prestigious fellowship aims to inspire the next generation of researchers to drive advancements in national security.

The Bruno Rossi Distinguished Postdoctoral Fellowship is up to a three-year program for recent PhD graduates (within five years of graduation) with expertise in accelerator physics and a passion for applying data science, artificial intelligence, and machine learning to model, control, and optimize complex systems. The Rossi Fellow will be instrumental in developing and demonstrating next-generation capabilities for the Scorpion accelerator and allied radiographic systems.

Specific initiatives include advances in the theory, computational modeling, and/or machine learning applications; strong focus will be placed on computational efforts aligning with electron-beam target interactions and/or other accelerator beam physics.



The Downstream Transport (DST) of the Scorpion accelerator handles critical safety, protection, and diagnostic functions while converting the electron beam to x-rays. Its sections perform debris mitigation (1), specialized beam transport (2), safety stops (3), transport to final focus (4), in-flight imaging and diagnostics (5), and final focusing onto the target (6).