



Opportunity for Postdoctoral Research on Compact Accelerator Technologies

General Atomics, San Diego, CA

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Closing date: 10/01/2021

The Energy Group at General Atomics (GA) has an immediate opportunity for a Postdoctoral Researcher to support GA's Accelerator Technology R&D program. The successful candidate will take a leading role in designing and testing compact accelerator structures. Of particular interest are individuals experienced with superconducting RF structures or other compact accelerator concepts. We are looking for candidates with an innovative mindset, interested in real-world applications, and motivated by furthering their experience in simulation, design, experimentation and data analysis.

Qualifications:

- Recent Ph.D. in physics or engineering, with solid knowledge of RF-based accelerator structures.
- Experience with simulation and design of high-Q resonators.
- Hands-on experience or strong knowledge of RF cavity test procedures, knowledge of superconducting cavities is a plus.
- Experience with data acquisition and control systems, knowledge of Labview is a plus.
- Familiarity with SolidWorks, Comsol MultiPhysics, Matlab, Python, Quickwave, Ansys Software Suite or related software packages.
- Ability to present abstract physical concepts to a wide audience and to synthesize results.

The postdoctoral appointment through Oak Ridge Associated University (ORAU) is for a period of 1 year, renewable to 2 years. The position is stationed at General Atomics in San Diego, CA. Telecommuting possible during the first phase of the project.

To apply, please send a CV, including a list of publications and references, and a cover letter to Dr. Bruno Coriton, email: coritonb@fusion.gat.com