



**Ridgetop Group, Inc.**

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**FOR IMMEDIATE RELEASE**

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**Tucson, Arizona**

### **RIDGETOP WINS SBIR CONTRACT FOR PARTICLE PHYSICS RESEARCH**

Ridgetop Group, Inc. , a Tucson-based nanotechnology firm, announced that the U.S. Department of Energy has awarded the company a Small Business Innovation Research (SBIR) Phase I contract to improve radiation tolerance of high-performance Data Converters.

“The type of ADC architecture to be investigated in this SBIR will provide a highly versatile ADC core that can be used in a variety of platforms within the particle physics community,” said James Hofmeister, engineering manager and Ridgetop’s principal investigator for the project.

The Department of Energy stated that the project will result in “a high-performance, radiation-hardened, analog-to-digital converter capable of digitizing at high rates to support advanced nuclear physics experiments at DOE-funded research facilities in Illinois, New York, and Virginia.”

The results of this research could be leveraged to additional applications, said Hofmeister, such as:

- Future manned and unmanned missions to outer space.
- Electronics within satellites on geosynchronous orbits.
- Systems for monitoring military nuclear stockpiles as part of nonproliferation efforts.
- Radiation level monitoring for safety in nuclear energy production facilities and waste product dump sites.
- Diagnostic imaging and radiation therapy environments in healthcare.

Ridgetop Group, Inc., a privately held firm founded in 2000, is based in Tucson, Arizona, where it has maintained technology leadership in electronic prognostics and electronics design for mission-critical systems. Ridgetop has earned numerous awards for its work and innovations, including Raytheon Missile Systems’ SBIR Partner of the Year award in 2006, and NASA’s Glenn Garrett Morgan Commercialization Initiative award in 2007.

For more information, please visit our website at: [www.RidgetopGroup.com](http://www.RidgetopGroup.com)

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