

Particle Physics: Science without Borders: Neutrinos Going Global

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Particle Physics is one of the most basic of curiosity driven sciences. Collecting the global community together worldwide to begin the process of having a truly worldwide plan for large particle physics facilities is underway. The field of Particle Physics has always been international as evidenced by Tevatron collider at Fermilab, the Large Hadron Collider at CERN and the bottom quark “factory” in Japan where thousands of scientists from nearly 100 countries have worked together in unison. However the next generation of projects will take the field a step further. The complexity of the technologies, and not to mention substantial cost, are driving the field further in this direction. Interestingly, these complex international relationships dramatically cross national boundaries. The common goal of scientific discovery over rides differences. The complex sociology and intricate organizations where all scientists from across the planet seamlessly work together amazes politicians. Sometimes the countries working together are not normally “best of friends” at official levels. Working together is the only way for particle physics to advance. Students entering research, the government, or the private sector will need to embrace globalization more than ever.

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