

1st International

Symposium

on the

Superconducting Science & Technology of Ingot Niobium



September 22-24, 2010

Jefferson Lab, Newport News, Virginia, USA

In 2006, in collaboration with Jefferson Lab, CBMM (Companhia Brasileira de Metalurgia e Mineração) hosted the first international workshop on single crystal-large grain niobium technology near the world's largest niobium mine in Araxá, Brazil. In 2010, in collaboration with industrial partner CBMM, Jefferson Lab will host the first International Symposium on the Superconducting Science and Technology of Ingot Niobium in Newport News, Virginia, USA, from September 22 to 24. At this forum, university, industrial, and national research institution experts from around the world will exchange information and views on the current status of ingot niobium science and technology and on the technology's advantages in obtaining high-performance superconducting radiofrequency (SRF) accelerator structures with reduced processing at lower cost. In conjunction with the symposium, two short courses will be conducted—one on contamination control during the processing of accelerator structures (John O'Hanlon – O' Hanlon Consulting), and the other on close monitoring of niobium properties with state-of-the-art diagnostic tools for obtaining optimum performance with SRF cavities (John Wallace – Casting Analysis Corporation).

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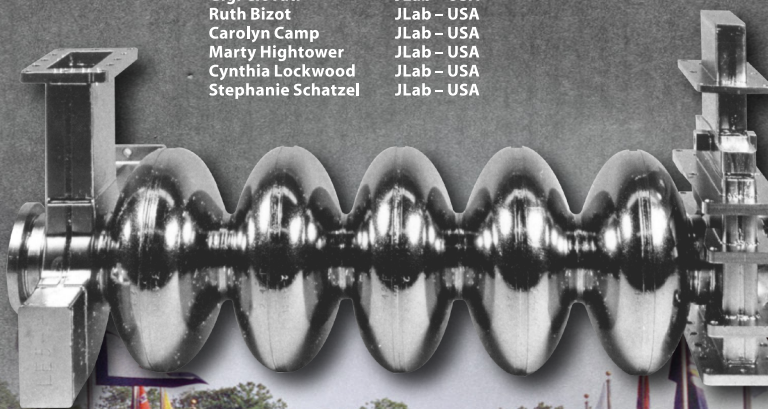
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