

UCLA Department of Physics & Astronomy

COLLOQUIUM

Thursday, February 20th at 4 p.m.

1-434 PAB

Accelerating progress toward Fusion Energy

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The R&D landscape for fusion energy has changed dramatically over the last several years with important scientific and technical progress alongside rapid growth in private sector investment. Getting to commercial fusion energy requires not only progress and innovation in the plasma physics of a fusion core, but also in materials that can withstand the harsh environment of a fusion device, in technology for breeding fusion fuel, and in enabling technology such as magnets and heating systems. It also requires that the private and public sectors find effective ways to partner. I'll give an overview of the fusion energy program at ORNL, where capabilities across all of these important areas are present and important progress is being made in partnership with fusion startups. In doing so, I'll make some connections to work that has been ongoing at UCLA.

Refreshments at 3:30 p.m. on the PAB Patio. Undergraduates Welcome!