

# LETTER RE. US HIGH ENERGY THEORY SUPPORT

Signed by more than 150 HEP physicist, mainly theorists, expressing concern for the steadily decreasing level of DOE funding of the Theory Initiative in the United States:

*“We are writing to express our alarm about recent cuts in DOE support of the US High Energy Theory program .... We believe that such large cuts jeopardize the world-leading standing of the US theory community.”*

We should all agree that:

*“The US theory community has unquestionably been the world leader, historically, in theoretical High Energy Physics.”*

*“With many big outstanding questions in High Energy Physics and Cosmology, theory is expected to play a key role going into the future. The vitality of this research is recognized by other countries in Europe and elsewhere, who continue to support new research initiatives. The declining US investment stands in marked contrast to this vision.”*

P5 recognized that:

*“A thriving theory program is essential for both identifying new directions for the field and supporting the current experimental program.”*

while:

*“The broader High Energy effort is threatened by these cuts to Theory, which conflict with the P5 recommendation that Research cuts should be planned with care and have their potential damage assessed.”*

This letter is submitted to HEPAP to:

*“Formally request that a subpanel of HEPAP be formed to investigate and better understand this damaging trend and to make recommendations to address its consequences and restore a thriving Theory program, and we strongly urge that HEPAP support measures to rebuild and maintain the prominent and world-leading standing of US High Energy Theoretical Physics.”*