

P5 Town Hall Meeting



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Maximizing the Return on US Investment in the LHC: Time to Take Action

Despite investing a massive \$500,000,000 in the construction of the Large Hadron Collider (LHC) and committing a significant portion of our high-energy experimental community to the LHC, there is a risk that we may struggle to comprehend the results due to the limitations of our current precision theory modeling. This is particularly concerning given the LHC's future role as a precision machine that will probe even the rarest of processes with high accuracy. As we move beyond the Higgs discovery phase, the LHC's potential to further advance our understanding of fundamental physics is immense, and accurate interpretation of the results is crucial to harnessing the full scientific potential of our investment.

Therefore, I urge measures to protect the value of the US investment in the LHC program and allocate sufficient resources to improve our precision theory modeling, keeping pace with the LHC's advancements. This will help maximize the return on our investment and advance our understanding of the universe.

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