



# TAKE FIVE for Safety- Looking Back and Looking Forward

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February 3, 2026



# Looking Back at RHIC History

- In July 1999, Brookhaven Lab Director John Marburger convened a committee of distinguished physicists to write a comprehensive report on the arguments that address the safety of speculative disaster scenarios at RHIC.
- The scenarios are:
  - Creation of a black hole that would "eat" ordinary matter.
  - Initiation of a transition to a new, more stable universe.
  - Formation of a "strangelet" that would convert ordinary matter to a new form.

# Review Conclusion

- "We conclude that there are no credible mechanisms for catastrophic scenarios at RHIC," said committee chair Robert Jaffe, Professor of Physics and Director, Center for Theoretical Physics at Massachusetts Institute of Technology.
- Added Brookhaven Director Marburger, "Nature has been creating collisions of energies comparable to those at RHIC for billions of years, and there is no evidence of any kind of disaster related to those collisions. RHIC does not take us beyond the limits of natural phenomena. It brings a rare phenomenon into the view of our instruments so we can puzzle out its inner workings."

See link to report on BNL Webpage

# ESSHQ Looking Forward

- Next Week: “Reset”
- Changing Conditions/New Work Activities
- Compliance and Safety
- “Questioning Attitude”
- “Human Performance Improvement” Concepts:
  - “PERFORMANCE MODES”
    - “Knowledge-Based” Work