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## Future Colliders for Particle Physics - Big and Small

*Monday, September 25, 2017 8:40 AM (40 minutes)*

I will present a perspective of energy-frontier colliders in the 21st century. After a brief historical review, several proposed next-, next-next- and next-next-next-generation circular and linear  $e+e-$ , hadron and muon colliders and their underlying technologies are introduced. Looking beyond, possible routes for dramatic future performance improvements or transformational mitigation, novel technologies, additional breakthrough applications, and ultimate limitations are discussed. Finally, I will confront the audience with a couple of challenges.

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