

## Future Accelerators - Ideas

*Saturday, January 6, 2018 4:30 PM (30 minutes)*

Particle colliders are quickly reaching a saturation in terms of cost and size: if not with the LHC, then probably with the next generation of colliders. How can we break through this wall and bring accelerators into the next century? The new and blossoming field of Advanced Accelerator Concepts is coming up with novel, exciting technologies aimed at making particle accelerators more compact and more efficient. In this talk, we will look at the broad strokes, understand important concepts like plasma wakefields, as well as look at an example of the problems and solutions currently under study.

### Summary

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