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Dedicated R&D Facilities for Frontier Research in Accelerator Science and Technology

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The Snowmass Process has highlighted the importance of understanding the technical feasibility and performance of future discovery-science accelerator facilities. Frontier research in Accelerator Science and Technology (AST) is essential to this understanding. The nature of this research is generally incompatible with user facilities, which are inflexible and highly subscribed, and instead demands the availability of dedicated AST R&D facilities. As we consider the near-term priorities and long-term horizon of high-energy physics, it is important to ensure that the available AST infrastructure and expertise will be well aligned with the community's consensus. As an example, we briefly describe one such dedicated R&D facility that has been developed over the last decade: the Fermilab Accelerator Science and Technology (FAST) Facility.

Please select if remarks will be in person or on zoom

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