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The Scorpion Linear Induction Accelerator

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A new linear induction accelerator named Scorpion is being designed for multi-pulse flash radiography. The solid-state pulsed power system offers a technological breakthrough by delivering multiple independent pulses to accommodate a wide variety of pulse formats. The design provides pulse modulation capabilities which will mitigate reflected waves and reduce voltage variations across a temporal window twice as large as existing multi-pulse radiography accelerators. Successful coupling of the solid-state pulsed power with prototype induction cells has demonstrated these capabilities, and the project will assemble the Scorpion injector with a number of accelerating cells for integrated testing.

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Footnotes

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Yes

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