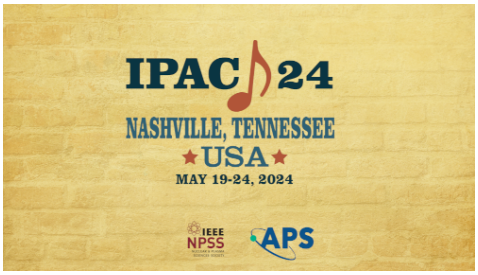

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The Reconfiggler: a uniquely versatile wiggler

Monday, 20 May 2024 16:00 (2 hours)

Wigglers are periodic arrays of magnets with myriad applications in accelerator physics. Generally though, they are only tunable by adjusting the gap between jaws. Here, we present a wiggler based on diametrically magnetized cylindrical magnets with independently adjustable angle. This allows the realization of arbitrary (bandwidth constrained) magnetic configurations. We illustrate its application to the recently proposed "transverse wiggler"concept for transverse phase space control.

Footnotes

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