

## Tailored smooth electron for efficient beam-driven acceleration

*Tuesday, 9 June 2015 11:30 (15 minutes)*

TeV+ accelerators will either require extremely large and costly infrastructure, or some development beyond conventionally limited acceleration gradients of ~50 MV/m. We discuss a relatively simple new longitudinal shape to drive ideal- transformer ratios and accelerating fields.

**Is this an abstract for a New Perspectives presentation?**

Yes

**Is this an abstract for a Users Meeting Poster?**

No

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**Session Classification:** Session 6 - Accelerator Physics and Technology