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## Techniques to generate high-voltage oscillations using a single-shot power supply

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Two pulsed power arrangements have been designed and tested, both based on a circuit containing an air-core pulsed transformer and a miniature explosively-driven flux-compression generator. The power supply in both cases is provided either by a conventional HV charger or by a PZT autonomous power supply. For both pulsed power arrangements, output voltage oscillations with a peak close to 100 kV have been generated from single-shot tests.

**Authors:** NOVAC, Bucur (Loughborough University); Mr SENIOR, Peter (Loughborough University); Prof. SMITH, Ivor (Loughborough University)

**Presenter:** NOVAC, Bucur (Loughborough University)

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