

## A COMPACT, LOW-VOLTAGE MULTI-BEAM KLYSTRON FOR 1300 MHz CRYOMODULES

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### *Abstract*

We describe the design and construction status of a compact, 830 kW multi-beam klystron (MBK) for driving 1300 MHz cryomodules. The applications for this tube range from ILC and ILC test facilities to Project X. The use of low gun voltage (36 kV) simplifies the modulator and gun socket requirements. A high efficiency, predicted to be >65%, will allow the klystron to be used in applications requiring low overall site power and high wallplug efficiency.

**CONTRIBUTION NOT  
RECEIVED**