

High-Power Testing of the First PEP-II RF Cavity *,
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paper describes the high-power testing of the first RF
cavity for the PEP-II B-factory. The cavity is designed
for continuous operation at 476 MHz with up to
150 kW wall dissipation and heavy beam loading.
Three rectangular waveguides and broad-band loads are
used to damp the cavity higher-order modes. The test
configuration, RF conditioning history and high-power
performance are described and plans for processing of
the production run of cavities are discussed.

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