High-Power Testing of the Kazakov Window at SLAC

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KEK Window 1

Beginning of conditioning:
Steady uniform glow.
Brightness scales with power.

End of conditioning:
Dark spots grow.

During an arc:
Distinct point flashes.
KEK Window 1 After Processing (80 MW at 1.5 μs)
KEK Window 2
Processing History

RF Peak Power (MW)

Time (hrs)

Pulse Width (us)