

The SiC Absorber for the KEKB ARES Cavity,
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Tsukuba Univ. - The KEKB ARES cavity employs
bullet-shape sintered SiC ceramics to absorb beam-
induced HOM RF power. The RF absorbing behaviour
of the bullet-shape SiC can be clearly explained by the
attenuation property of the dominant propagating mode
of HE₁₁ for the cylindrical dielectric waveguide.
According to this model, the final design of the SiC
absorber for the ARES cavity is in progress.