Layout of a Broadband Circular Waveguide to Coaxial Transition^{*}, F. SCHÖNFELD, E. WEIHRETER, BESSY (Berlin, Germany); Y.C. TSAI, K.R. CHU, Tsing Hua University, (Hsinchu, Taiwan) - Broadband coupling of higher order cavity modes to an external load one way to suppress multibunch instabilities in electron storage rings. A numerical study is presented based on the HFSS program to simulate the transmission properties of a circular waveguide to coaxial transition. Such a transition combined with a coaxial broadband rfvacuum-window allows to place the rf-absorbing materials outside the vacuum.

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