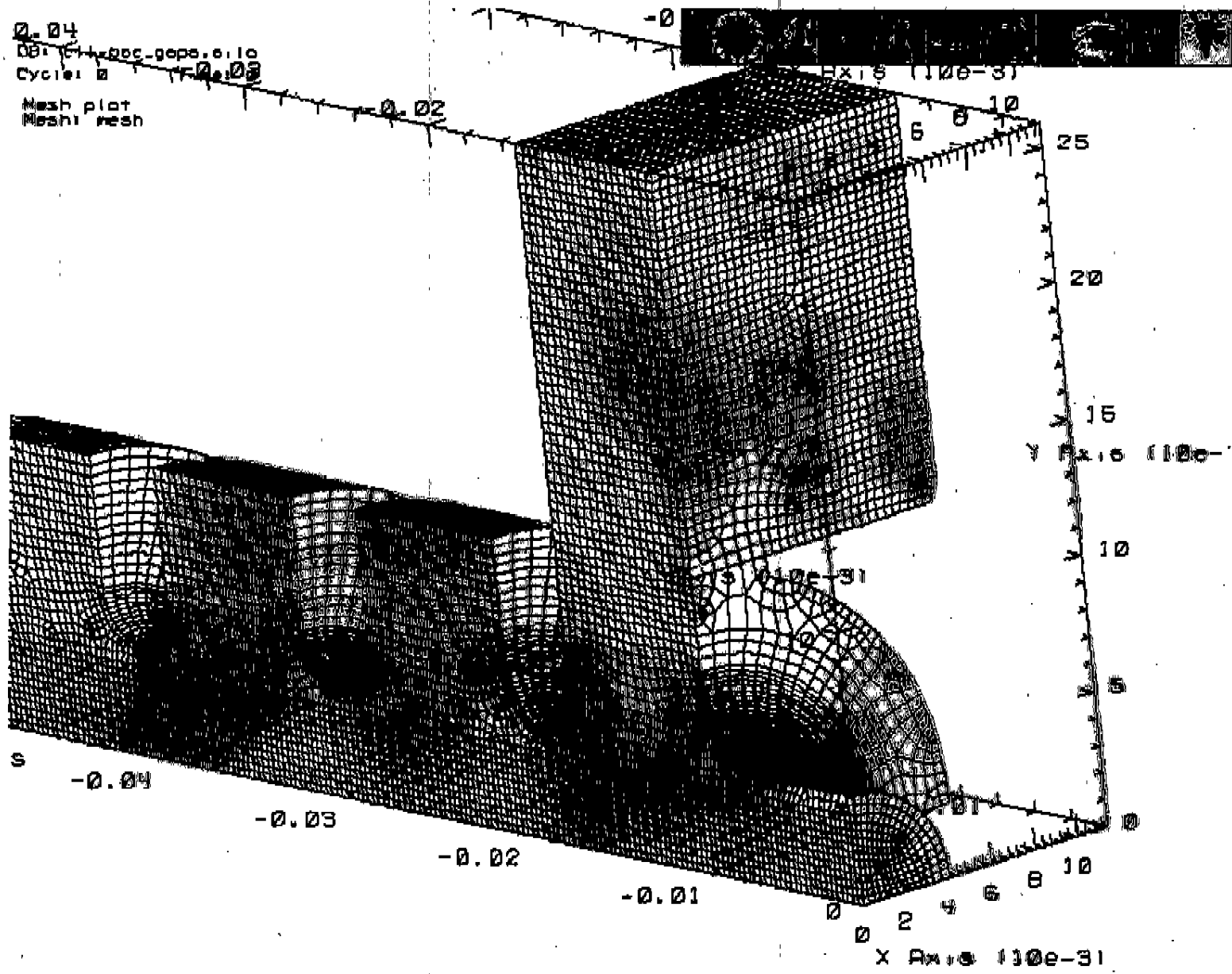


H60V93 old mesh

Tau3P: S11 ~ 0.04

HFSS: S11 ~ 0.25

0.04
DB: 1.0e-06 - 0.010
Cycle: 0
Mesh plot
Mesh: mesh

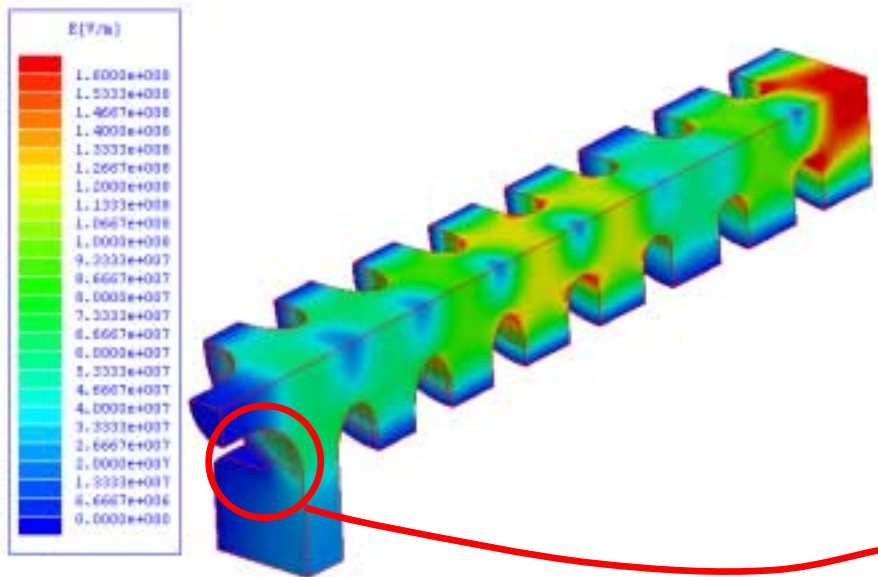


- - - - -

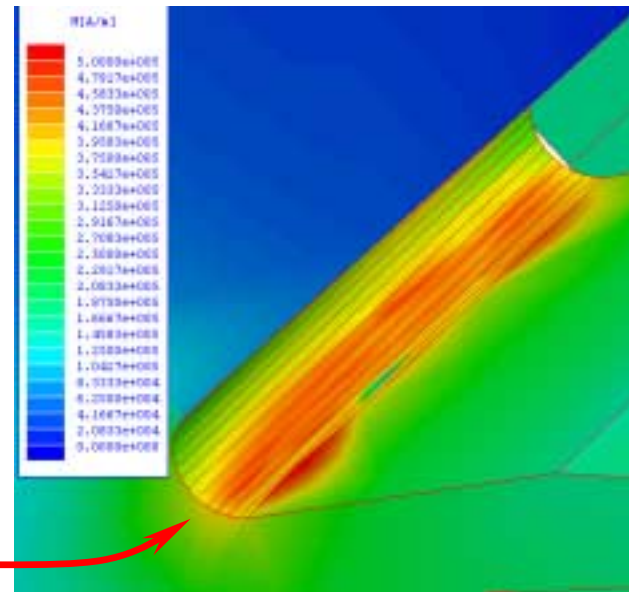
—

- Pulse heating of input waveguide iris of the H60vg3N input coupler
 - 1.iris thickness 0.8 mm
 - 2.iris thickness 2 mm
- Characteristics of 3D HFSS simulation of input inline taper for H60vg3N

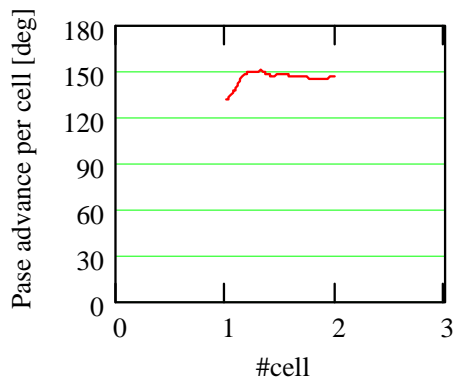
H60vg3N input coupler, rounded iris with 0.8 mm thickness



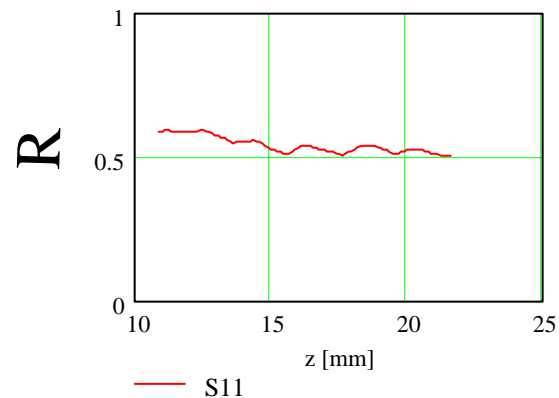
Surface **electric** field distribution, max. field ~ 160 MV/m,
power 64 MW



Surface **magnetic** field distribution, max. field on coupler iris ~ 0.45 MA/m

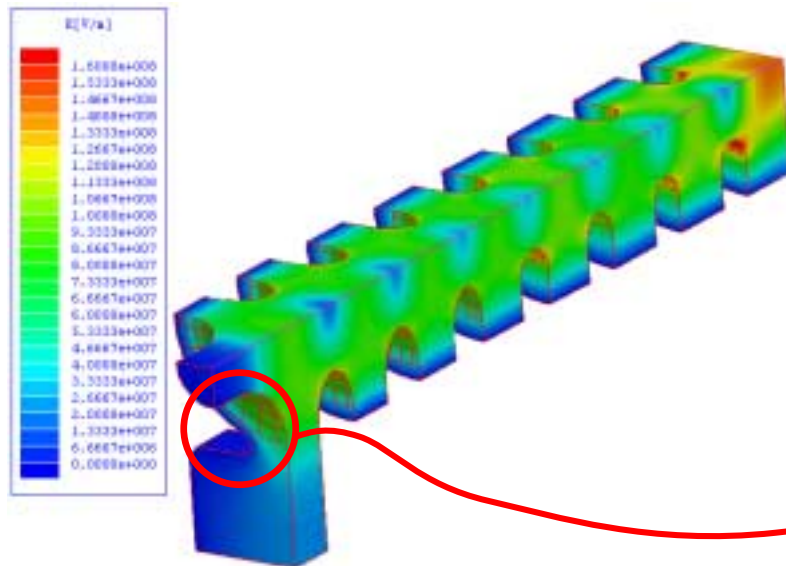


Phase advance per cell

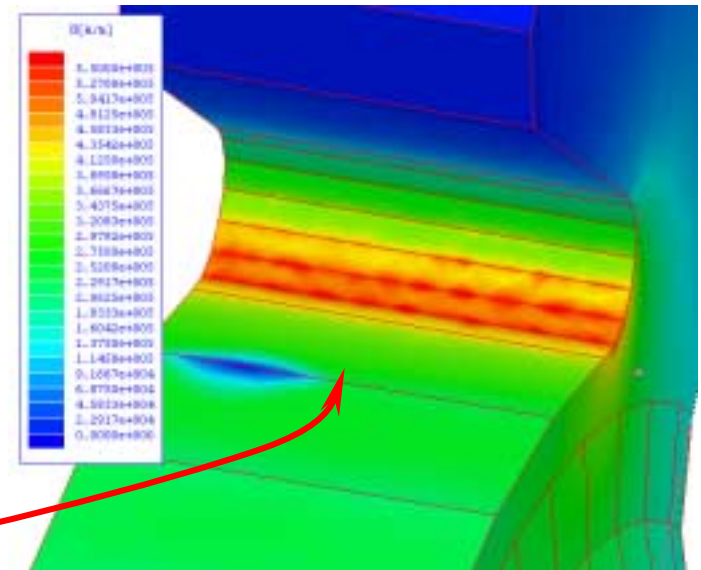


$R \sim 0.52$, at 11.424, phase advance per cell 147° , iris width 8.77 mm

H60vg3N input coupler, rounded iris with 2 mm thickness



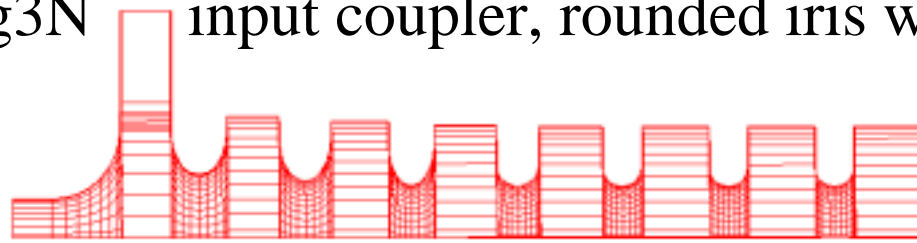
Surface **electric** field distribution, max. field ~ 150 MV/m, power 70 MW



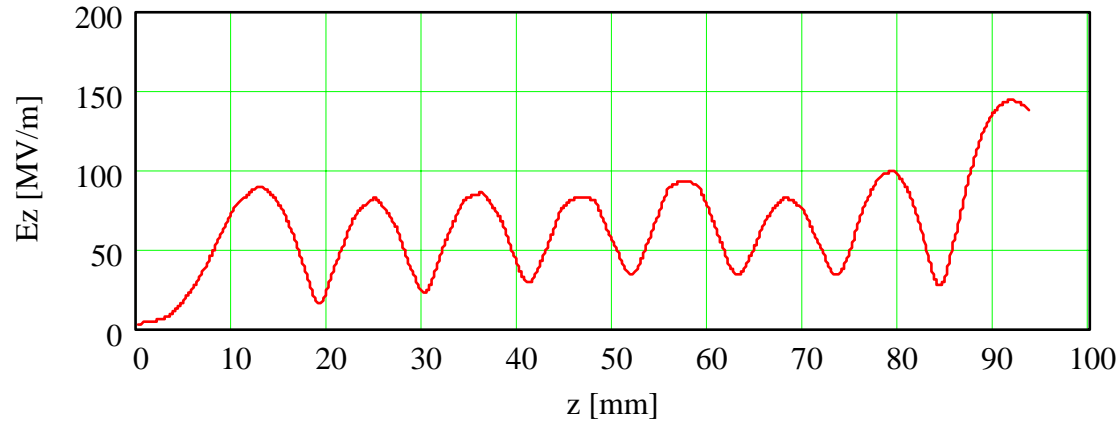
Surface **magnetic** field distribution, max. field on coupler iris ~ 0.5 MA/m

$R \sim 0.2$, at 11.424 GHz, phase advance per cell 150° , iris width 8.3 mm

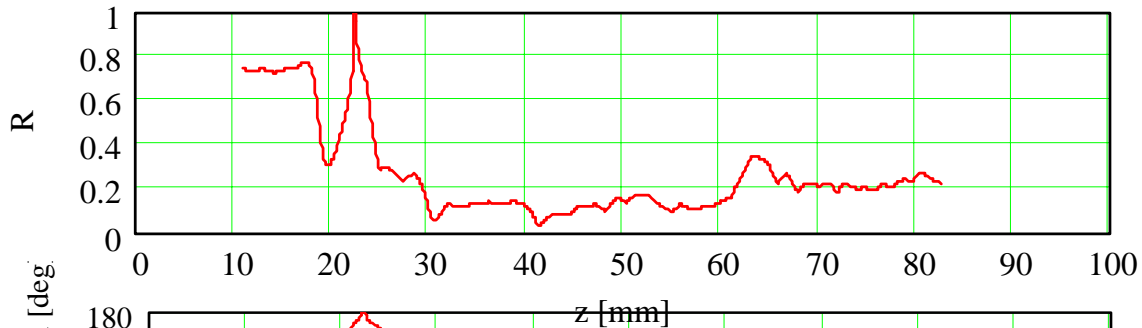
H60vg3N input coupler, rounded iris with 2 mm thickness



Electric field on axis



R



Local phase advance per cell

