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                     quarter_inch_DEE_gap lawrence.am
Electrostatic Problem of Cyclotron chamber at Peak High Voltage.
Mainly used for studying the ion source region
DEE Voltage: 10kV
[April 25, 2005 - Tim Koeth]


&reg kprob=0,      ! Poisson or Pandira problem
xjfact=0.0,        ! Electrostatic problem
dx=0.03,           ! Mesh interval
icylin=0,          ! Cartesian coordinates
nbsup=0,           ! Dirichlet boundary condition at upper edge
nbslo=0,           ! Dirichlet boundary condition at lower edge
nbsrt=0,           ! Dirichlet boundary condition at right edge
nbslf=0,           ! Dirichlet boundary condition at left edge
ltop=10 &          ! Maximum row number for field interpolation

&po x=-14., y= 1.3 &  !this outlines the grounded chamber with new dummy DEE
&po x=  0.318, y= 1.3 &
&po x=  0.318, y= 0.4 &
&po x=  1.270, y= 0.4 &
&po x=  1.270, y= 1.3 &
&po x= 14., y= 1.3 &
&po x= 14., y=-1.3 &
&po x=  1.270, y=-1.3 &
&po x=  1.270, y=-0.4 &
&po x=  0.318, y=-0.4 &
&po x=  0.318, y=-1.3 &
&po x=-14., y=-1.3 &
&po x=-14., y= 1.3 &



&reg mat=0,voltage=4000.0,ibound=-1 & ! this outlines the DEE (at widest - symmetry
- point) 10kV
&po x=-13.2,y= 0.5 &
&po x= -0.125,y= 0.5 &
&po x= -0.125,y= 0.4 &
&po x=-13.041,y= 0.4 &
&po x=-13.041,y=-0.4 &
&po x= -0.125,y=-0.4 &
&po x= -0.125,y=-0.5 &
&po x=-13.2,y=-0.5 &
&po x=-13.2,y= 0.5 &
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