Fantoma de ar

c celulas

1 2 -1.20479e-3 -13 14 -15 imp:p,e=1 $cilindro volume

2 2 -1.20479e-3 1 -2 3 -4 5 -6 #1 imp:p,e=1 $fantoma 30x15x30, SSD = 100

3 3 -11.34 16 -17 -18 19 20 -21 #1 #2 imp:p,e=1 $colimador 1

4 3 -11.34 22 -23 -18 19 20 -21 #1 #2 #3 imp:p,e=1 $colimador 2

5 3 -11.34 24 -25 -18 19 -26 27 imp:p,e=1 $c3

6 3 -11.34 24 -25 -18 19 28 -29 imp:p,e=1 $c4

7 2 -1.20479e-3 7 -8 9 -10 11 -12 #1 #2 #3 #4 #5 #6 imp:p,e=1 $caixa de ar 400x400

8 0 #1 #2 #3 #4 #5 #6 #7 imp:p,e=0

c supercicies

1 PX -15 $fantoma de agua

2 PX 15 $fantoma de agua

3 PY -7.5 $fantoma de agua

4 PY 7.5 $fantoma de agua (profundidade)

5 PZ -15 $fantoma de agua

6 PZ 15 $fantoma de agua

7 PX -45 $caixa de ar

8 PX 45 $caixa de ar

9 PY -137.5 $caixa de ar

10 PY 137.5 $caixa de ar

11 PZ -45 $caixa de ar

12 PZ 45 $caixa de ar

13 CZ 0.798 $cilindro

14 PZ -0.25 $cilindro

15 PZ 0.25 $cilindro

16 PX -8 $c1

17 PX -3 $c1

18 PY -67.5 $c1 & c2 & c3 & c4

19 PY -72.5 $c1 & c2 & c3 & c4

20 PZ -2.5 $c1 & c2

21 PZ 2.5 $c1 & c2

22 PX 3 $c2

23 PX 8 $c2

24 PX -8 $c3 & c4

25 PX 8 $c3 & c4

26 PZ -2.5 $c3

27 PZ -7.5 $c3

28 PZ 2.5 $c4

29 PZ 7.5 $c4

c dados

mode p e

m1 1001 2 8016 1 $agua

m2 6012 -0.000124 7014 -0.755267 8016 -0.231781 18040 -0.012827

m3 82207 1 $chumbo

m4 1001 -0.080538 6012 -0.599848 8016 -0.319614

c source

SDEF PAR 2 POS 0 -107.5 0 VEC 0 1 0 DIR=d1 ERG=0.1 $E = 1keV

SI1 H -1 0.984 1 $theta=10 graus

SP1 0 0.9924 0.0076

SB1 0 0 1

c tally

F4:p 1

F14:e 1

F6:p 1

F16:e 1

\*F8:p 1

\*F18:e 1

nps 5e8

print 110

prdmp 0 1e4