





Simulation

Mesh

Edit

prova cella durk current -scavo il vuoto

durk crrent intero linac - tutte iridi sorgenti - FaradayCup - scavoVuoto - v2

## Field Induced Emission Settings

General Kinetic Settings

$$J = aE^2 \exp(-b/E)$$

Linear factor (a): 0.1504 A / V<sup>2</sup>

Exp. factor (b): 1.094e9 V / m

OK

Cancel

Help

## Edit Particle Area Source

General

Name: particle1

OK

Cancel

Preview

Help

PIC emission model

Field

Edit...

Emission density

Number of emission points: 2628 ☐ Adjust density to mesh

Min.

Max. Scale factor: 1

Particle properties

Particle type: electron

Load...

Charge per particle: -1.602176565e-19 C

Save...

Mass per particle: 9.109382910e-31 kg

particle1

Picked elements

P1(X,Y,Z)	3, 0, 0
P2(X,Y,Z)	22.680000, 0, 0
P2 - P1	19.680000, 0, 0
P2 - P1	19.680000

C/kg

1.76e+11

1.6e+11

1.5e+11

1.4e+11

1.3e+11

1.2e+11

1.1e+11

1e+11

9e+10

8e+10

7e+10

6e+10

5e+10

4e+10

3e+10

2e+10

1e+10

0

