

Victoria's draft:

Table 1: Material thicknesses of the brass-tungsten diffuser

Iris Number	Material	Thickness (mm)	Fractional X_0	ΔE (MeV/ c^2)
1	Brass	2.97	0.207	
2	Brass	5.9	0.4108	
3	Tungsten	2.8	0.799	
	Brass (backing)	2.0	0.139	
4	Tungsten	5.6	1.598	
	Brass (backing)	2.0	0.139	

G4BL:

```
tube iris1 length=2.97 outerRadius=500 material=BRASS
tube iris2 length=5.9 outerRadius=500 material=BRASS
tube iris3a length=2.8 outerRadius=500 material=Tungsten
tube iris3b length=2.0 outerRadius=500 material=BRASS
tube iris4a length=5.6 outerRadius=500 material=Tungsten
tube iris4b length=2.0 outerRadius=500 material=BRASS
```

```
place iris4a z=29200.0
place iris4b z=29200.0+5.6
place iris3a z=29220.0
place iris3b z=29220.0+2.8
place iris2 z=29240.0
place iris1 z=29260.0
```