**E-4 checklist**

On each table, check the presence of:

1 E/M power supply

Assembly of Helmholtz coils, electron tube and Cardboard shielding

1 ordinary compass

In the lab room, check the presence of:

1 dip circle

Power cables

Long Banana plug cables

Rulers

On each table, check the following:

The compass and the dip circle function properly

The orientation of the Helmholtz coils can be changed

The electron tube can be rotated

Make the necessary connections, turn on the e/m power supply with the Anode voltage at 22V and check the following:

The filament heats up and emits an electron beam with an anode current less than 10 milliAmperes

The electron beam starts bending at a Field current of less than 1 Ampere.

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