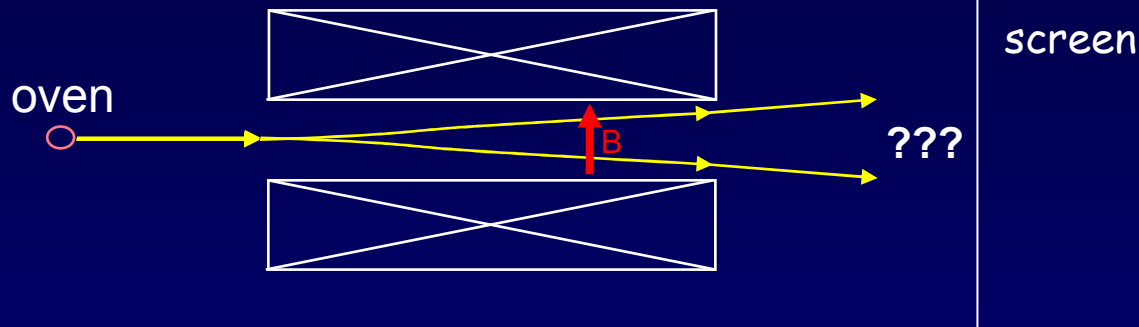


Stern-Gerlach Experiment & Electron Spin

In 1922, Stern and Gerlach shot a beam of Ag atoms (with $l = 0$) through a **non-uniform magnetic field** and detected them at a screen.



We can think of the atoms as tiny magnets (they have a magnetic moment) being directed through the field. They are randomly oriented:

