

27.24. A beam of protons traveling at 1.20 km/s enters a uniform magnetic field, traveling perpendicular to the field. The beam exits the magnetic field, leaving the field in a direction perpendicular to its original direction (Fig. 27.48). The beam travels a distance of 1.18 cm *while in the field*. What is the magnitude of the magnetic field?

Figure 27.48
Exercise 27.24.

