

81. We use Eq. 38-51 with $mc^2 = 0.511$ MeV (see Table 38-3):

$$pc = \sqrt{K^2 + 2Kmc^2} = \sqrt{(2.00)^2 + 2(2.00)(0.511)}$$

This readily yields $p = 2.46$ MeV/ c .