

(14.4) What are the decay products of  $^{252}\text{Cf}$ , of  $^{253}\text{Cf}$  and of  $^{254}\text{Cf}$ ?

Answers (see Fig. 14.1):

$^{252}\text{Cf}$ :  $\alpha$  to  $^{248}\text{Cm}$  and SF (about 3%) to FP:s,

$^{253}\text{Cf}$ :  $\beta^-$  to  $^{253}\text{Es}$  and a small  $\alpha$ -branch to  $^{239}\text{Cm}$ ,

$^{254}\text{Cf}$ : SF to FP:s and a small  $\alpha$ -branch to  $^{250}\text{Cm}$ .