Transition from 25 mm to 40 mm counters is fixed at 373.05 MeV.

At 8 cm location, max. relative counting rate is .0303 (target value is .030).

To move the counters back to 15 or 20 cm, we can either

- (1) keep the width at 40 mm and increase the number of counters by 1 or 2, or
- (2) increase the width of the counters, keeping the number of counters and the maximum counting rate fixed.
- *Energy width refers to the lowest- E_e counter. **Max. Relative rate refers to the highest- E_e counter.

Distance (cm)	B (gauss)	Energy resol. (MeV)	Counter width (mm)	No. of counters	$\begin{array}{c} \text{Min.} \\ E_e (\text{MeV}) \end{array}$	Energy width* (MeV)	Max. relative rate**
8	9.5	~5.5	40	13	127.7	10.8	0.0303
15	5	~6	40	14	127.8	10.3	0.0282
			43	13	128.3	10.8	0.0303
20	3	~6.5	40	15	125.4	9.6	0.0269
			45	13	129.0	10.8	0.0301