The body is subdivided into

$$n = 1 + \text{Floor}\left[\frac{10|\text{K1L}|}{\text{EPS}}\right] \tag{176}$$

slices. EPS = 1 is used when EPS = 0. Then a transversely linear transformation $\exp(: H_{2n} :)$ is applied in each slice with

$$H_{2n} = \frac{1}{n}\left\{\left(-p + \frac{p_x^2 + p_y^2}{2p} + \frac{E}{v_0}\right)\text{L} + \frac{\text{K1}}{2}(x^2 - y^2)\right\} . \tag{177}$$

Between slices the correction $\exp(: \varDelta H :)$ for the kinematical term

$$\varDelta H = \frac{1}{n}\left(p - \sqrt{p^2 - p_x^2 - p_y^2} - \frac{p_x^2 + p_y^2}{2p}\right)\text{L} \tag{178}$$

is applied. In a solenoid, the forms of H_{2n} and $\varDelta H$ are modified.