The status of the helical undulator field modeling



$$
\begin{aligned}
& x=3 / 8 \lambda \\
& P_{x, 0}=0.47 \mathrm{MeV}
\end{aligned}
$$

x vs z (rotation angle is 1.12 rad )


zvs z (rotation angle is 1.12 rad )


$$
\begin{aligned}
& \lambda_{0}=32.5 \mathrm{~cm} \\
& \lambda_{\text {end }}=0.5^{*} \lambda \\
& \mathrm{~N}=4 \text { turns }
\end{aligned}
$$

px vs z (rotation angle is 1.12 rad )




$$
\begin{aligned}
& x=4 / 8 \lambda \\
& P_{x, 0}=0.78 \mathrm{MeV}
\end{aligned}
$$





$$
\begin{aligned}
& \lambda_{0}=32.5 \mathrm{~cm} \\
& \lambda_{\text {end }}=0.5 \lambda \\
& \mathrm{~N}=4 \text { turns }
\end{aligned}
$$







## 


surivin

