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Beam	$\eta_x$ (mm)	$\eta'_x$ (rad)	$\varepsilon_x$ ( $\pi$ mm-rad)	$\alpha_x$	$\beta_x$ (m)		
$\varepsilon_N$	$p_z$						
	140	90.28	0.07	$2.08 \pm 0.11$	$0.60 \pm 0.01$	$1.56 \pm 0.09$	
3	200	123.78	0.09	$1.53 \pm 0.08$	$0.65 \pm 0.01$	$1.82 \pm 0.10$	
	240	137.58	0.11	$1.26 \pm 0.07$	$0.68 \pm 0.01$	$1.99 \pm 0.11$	
$\mu^-$	140	89.37	0.08	$1.97 \pm 0.11$	$0.64 \pm 0.01$	$1.66 \pm 0.09$	
6	200	106.27	0.10	$1.31 \pm 0.07$	$0.72 \pm 0.01$	$2.06 \pm 0.12$	
	240	157.91	0.11	$1.26 \pm 0.07$	$0.68 \pm 0.01$	$1.98 \pm 0.11$	
	140	96.03	0.07	$1.83 \pm 0.10$	$0.64 \pm 0.01$	$1.71 \pm 0.10$	
10	200	132.78	0.08	$1.04 \pm 0.06$	$0.79 \pm 0.01$	$2.47 \pm 0.14$	
	240	145.71	0.11	$1.40 \pm 0.08$	$0.75 \pm 0.01$	$2.02 \pm 0.12$	
	200	122.96	0.03	$1.85 \pm 0.10$	$0.56 \pm 0.00$	$1.58 \pm 0.09$	
3	240	156.47	0.03	$1.45 \pm 0.08$	$0.66 \pm 0.01$	$1.87 \pm 0.11$	
	140	95.91	0.04	$2.18 \pm 0.12$	$0.52 \pm 0.00$	$1.51 \pm 0.09$	
$\mu^+$	6	200	131.16	0.04	$1.76 \pm 0.09$	$0.58 \pm 0.00$	$1.62 \pm 0.09$
	240	172.97	0.04	$1.54 \pm 0.08$	$0.64 \pm 0.01$	$1.76 \pm 0.10$	
	140	103.27	0.04	$2.03 \pm 0.11$	$0.54 \pm 0.01$	$1.57 \pm 0.09$	
10	200	138.50	0.03	$1.53 \pm 0.08$	$0.59 \pm 0.01$	$1.78 \pm 0.10$	
	240	189.64	0.04	$1.61 \pm 0.09$	$0.61 \pm 0.01$	$1.64 \pm 0.09$	

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