

V6.0	high- β optics	units
ϵ_z	$5.03 \cdot 10^{-10}$	m rad
β_z^*	1100.0	m
α_z^*	0.0	
D_x^*	0.0	m
$D_x'^*$	0.0	
σ_z^*	0.74	mm
$\sigma_z'^*$	0.68	μ rad
measurement	vertical	
detec. position	before $D2$	
β_{x_d}	210.2	m
$\Delta\mu_{x_d}$	0.032	2π
$M_{x,12_d}$	96.0	m
β_{y_d}	20.1	m
$\Delta\mu_{y_d}$	0.25	2π
$M_{y,11_d}$	0.0	
$M_{y,12_d}$	148.6	m
y_d	2.08	mm
$ y_d/\sigma_{y_d} $	20.7	
$ \theta_{y_{min}} $	143	μ rad
$ \theta_{y_{max}} $	168.3	μ rad
$ t_{y_{min}} $	0.010	GeV ²
$ t_{y_{max}} $	1.387	GeV ²

Performances of the experiment at the IP
and at the detectors place (RP1) for high- β
optics ($\beta^* = 1100\text{m}$) Version 6.0 at 7 TeV