

$U'(1)$ model	Mixing angle	$\mathcal{B}(\ell^+\ell^-)$	$c_u$	$c_d$	$c_u/c_d$	$\Gamma_{Z'}/M_{Z'}$
$U(1)_\psi$ (E6)	$0.5\pi$	0.0444	$7.90 \times 10^{-4}$	$7.90 \times 10^{-4}$	1.00	0.00553
$U(1)_{SSM}$ (GSM)	$-0.072\pi$	0.031	$2.43 \times 10^{-3}$	$3.13 \times 10^{-3}$	0.78	0.0297