Lead L Sample Lead R

$\Psi_{\mathbf{U}}^{\uparrow}$

$a\Psi_{\mathbf{U}}^{+}$
$+b\Psi_{\mathbf{U}}^{-}$

$a\Psi_{\mathbf{U}}^{+}$
$+b\Psi_{\mathbf{U}}^{-}$

$\sqrt{T_{\uparrow\uparrow}}\Psi_{\mathbf{U}}^{\uparrow}$
$+\sqrt{T_{\downarrow\uparrow}}\Psi_{\mathbf{U}}^{\downarrow}$

x_L x_R x