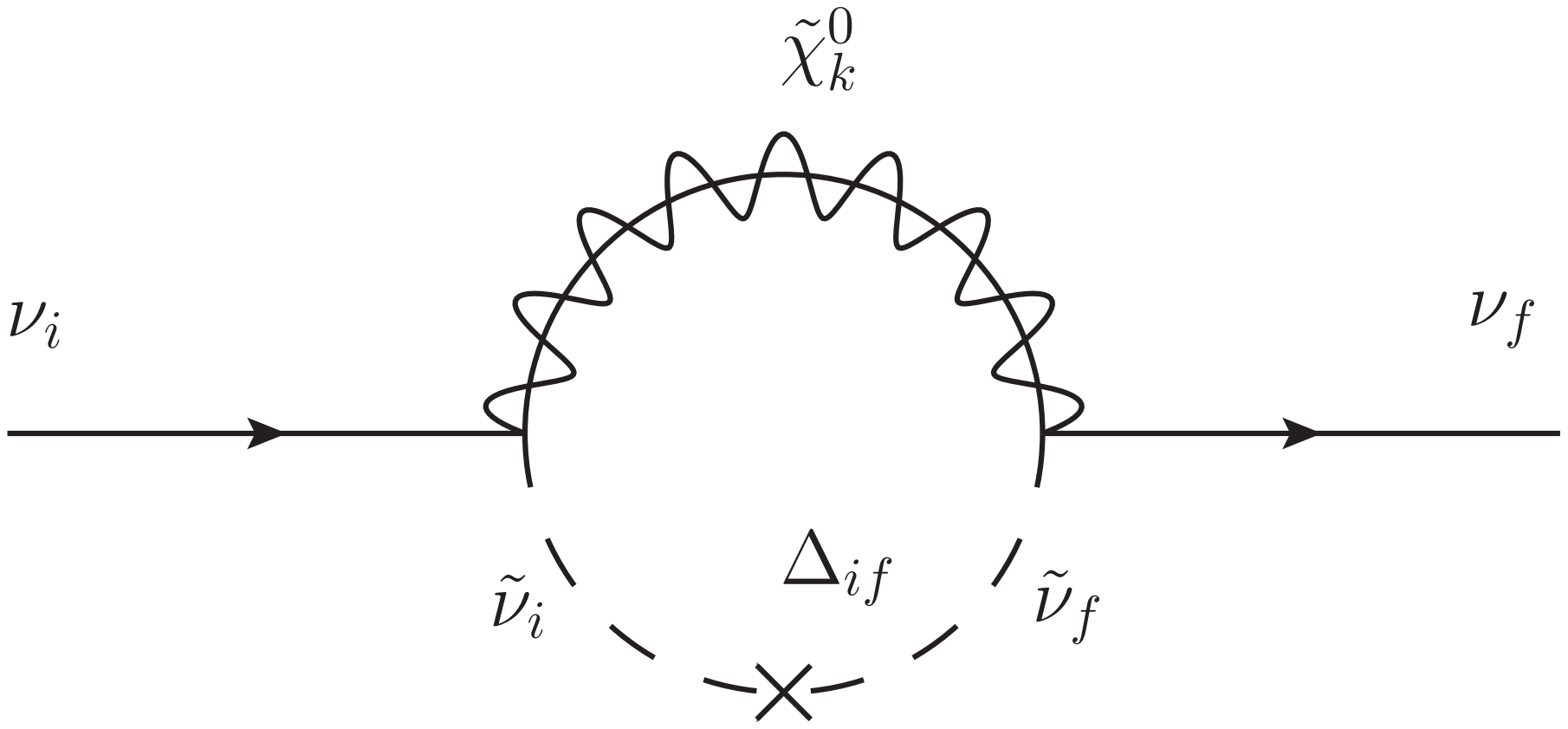
$\tilde{\chi}_k^0$
ν_i
ν_f
Δ_{if}
$\tilde{\nu}_i$
$\tilde{\nu}_f$