



$$mass = \sqrt{(mass_1^2 + mass_2^2 + 2E_1E_2 - 2p_1p_2 \cos(\Delta\phi))}$$

$\Delta\phi_1 < \Delta\phi_2$ 

Loss like Sign pair in low mass $(\Delta\phi_1) 0.2\text{GeV}$
Loss unlike Sign pair in high mass $(\Delta\phi_2) 0.2-0.5\text{GeV}$