

Parameter	Unconstrained parameter	Observed	Expected
$\Gamma_H$ (MeV)	$f_{a3} \cos(\phi_{a3})$	$2.4^{+2.7}_{-1.8}$ [0.02, 8.38]	$4.1^{+5.2}_{-4.1}$ [0.0, 13.9]
$\Gamma_H$ (MeV)	$f_{a2} \cos(\phi_{a2})$	$2.5^{+2.9}_{-1.8}$ [0.02, 8.76]	$4.1^{+5.2}_{-4.1}$ [0.0, 13.9]
$\Gamma_H$ (MeV)	$f_{\Lambda 1} \cos(\phi_{\Lambda 1})$	$2.4^{+2.5}_{-1.6}$ [0.06, 7.84]	$4.1^{+5.2}_{-4.1}$ [0.0, 13.9]