

1 energy bin(ee)	Simultaneous fit	EH1 only	EH2 only	EH3 only
$a_R^X - 0.0084c_R^{TX}/10^{-21}\text{GeV}$	-11.9 ± 7.2	-94.0 ± 36.4	9.2 ± 29.6	18.4 ± 7.6
$c_R^{XZ}/10^{-18}$	3.6 ± 1.4	-2.7 ± 4.3	-5.2 ± 8.7	-3.7 ± 1.6
$-a_R^Y + 0.0084c_R^{TY}/10^{-21}\text{GeV}$	6.6 ± 7.2	-1.1 ± 36.4	-12.2 ± 29.5	-34.6 ± 7.6
$c_R^{YZ}/10^{-18}$	1.7 ± 1.4	-3.3 ± 4.3	-13.1 ± 8.7	-5.6 ± 1.6
$c_R^{XX} - c_R^{YY}/10^{-18}$	-3.9 ± 4.6	0.8 ± 15.6	1.9 ± 16.6	-4.9 ± 5.1
$c_R^{XY}/10^{-18}$	-2.0 ± 2.3	3.4 ± 7.8	-9.5 ± 8.3	-1.9 ± 2.5
χ^2/NDF	53.6/66	18.7/18	13.2/18	17.0/18

TABLE I: Fit results for the ee flavor combination. With Tsinghua new data (EH3 predicted by reactor flux).

$a_R^X - 0.0084c_R^{TX}/10^{-21}\text{GeV}$	32.2 ± 18.4	13.5 ± 95.7	-36.0 ± 80.6	12.8 ± 19.3
$c_R^{XZ}/10^{-18}$	-9.4 ± 3.7	-14.1 ± 11.4	-3.3 ± 23.3	-5.1 ± 3.9
$-a_R^Y + 0.0084c_R^{TY}/10^{-21}\text{GeV}$	-17.5 ± 18.4	15.6 ± 95.6	-75.2 ± 80.5	-24.6 ± 19.3
$c_R^{YZ}/10^{-18}$	-4.5 ± 3.7	-9.1 ± 11.4	9.3 ± 23.4	-7.5 ± 3.9
$c_R^{XX} - c_R^{YY}/10^{-18}$	10.1 ± 11.9	-1.9 ± 41.2	-5.6 ± 44.9	12.6 ± 12.9
$c_R^{XY}/10^{-18}$	5.1 ± 6.0	-8.9 ± 20.6	25.8 ± 22.4	4.7 ± 6.5
χ^2/NDF	53.6/66	18.7/18	13.2/18	17.0/18

TABLE II: Fit results for the $\mu\mu$ flavor combination. With Tsinghua new data (EH3 predicted by reactor flux).

1 energy bin($\tau\tau$)	Simultaneous fit	EH1 only	EH2 only	EH3 only
$a_R^X - 0.0084c_R^{TX}/10^{-21}\text{GeV}$	18.6 ± 11.9	-18.1 ± 58.8	-22.4 ± 46.7	14.3 ± 12.6
$c_R^{XZ}/10^{-18}$	-5.7 ± 2.4	-10.7 ± 6.8	-4.3 ± 13.8	-4.7 ± 2.6
$-a_R^Y + 0.0084c_R^{TY}/10^{-21}\text{GeV}$	-10.8 ± 11.8	10.6 ± 58.8	-54.9 ± 46.7	-26.9 ± 12.5
$c_R^{YZ}/10^{-18}$	-2.9 ± 2.4	-7.5 ± 6.8	2.7 ± 13.9	-7.0 ± 2.6
$c_R^{XX} - c_R^{YY}/10^{-18}$	6.3 ± 7.6	-1.0 ± 25.0	-2.8 ± 26.2	8.1 ± 8.3
$c_R^{XY}/10^{-18}$	3.3 ± 3.8	-5.4 ± 12.5	15.1 ± 13.1	3.0 ± 4.2
χ^2/NDF	53.6/66	18.7/18	13.2/18	17.0/18

TABLE III: Fit results for the $\tau\tau$ flavor combination. With Tsinghua new data (EH3 predicted by reactor flux).

1 energy bin($e\mu$)	Simultaneous fit	EH1 only	EH2 only	EH3 only
$a_R^X - 0.0084c_R^{TX}/10^{-21}\text{GeV}$	-9.9 ± 5.9	-88.3 ± 29.9	7.0 ± 24.7	18.1 ± 6.2
$c_R^{XZ}/10^{-18}$	2.9 ± 1.2	-3.3 ± 3.5	-5.3 ± 7.2	-3.8 ± 1.3
$-a_R^Y + 0.0084c_R^{TY}/10^{-21}\text{GeV}$	5.3 ± 5.9	0.4 ± 29.9	-15.1 ± 24.7	-34.0 ± 6.2
$c_R^{YZ}/10^{-18}$	1.4 ± 1.2	-3.6 ± 3.5	-12.1 ± 7.2	-5.7 ± 1.3
$c_R^{XX} - c_R^{YY}/10^{-18}$	-3.2 ± 3.8	0.7 ± 12.8	1.7 ± 13.8	-4.0 ± 4.1
$c_R^{XY}/10^{-18}$	-1.6 ± 1.9	2.8 ± 6.4	-7.9 ± 6.9	-1.5 ± 2.1
χ^2/NDF	53.6/66	18.7/18	13.2/18	17.0/18

TABLE IV: Fit results for the $e\mu$ flavor combination. With Tsinghua new data (EH3 predicted by reactor flux).

1 energy bin($e\tau$)	Simultaneous fit	EH1 only	EH2 only	EH3 only
$a_R^X - 0.0084c_R^{TX}/10^{-21}\text{GeV}$	-6.4 ± 4.1	-81.4 ± 20.1	3.8 ± 16.0	17.7 ± 4.3
$c_R^{XZ}/10^{-18}$	2.0 ± 0.8	-4.1 ± 2.3	-5.0 ± 4.7	-3.9 ± 0.9
$-a_R^Y + 0.0084c_R^{TY}/10^{-21}\text{GeV}$	3.6 ± 4.0	0.4 ± 20.1	-19.7 ± 16.0	-33.2 ± 4.3
$c_R^{YZ}/10^{-18}$	1.0 ± 0.8	-4.0 ± 2.3	-10.4 ± 4.8	-5.8 ± 0.9
$c_R^{XX} - c_R^{YY}/10^{-18}$	-2.2 ± 2.6	0.5 ± 8.6	1.0 ± 9.0	-2.7 ± 2.8
$c_R^{XY}/10^{-18}$	-1.1 ± 1.3	1.8 ± 4.3	-5.2 ± 4.5	-1.0 ± 1.4
χ^2/NDF	53.6/66	18.7/18	13.2/18	17.0/18

TABLE V: Fit results for the $e\tau$ flavor combination. With Tsinghua new data (EH3 predicted by reactor flux).

1 energy bin($\mu\tau$)	Simultaneous fit	EH1 only	EH2 only	EH3 only
$a_R^X - 0.0084c_R^{TX}/10^{-21}\text{GeV}$	10.3 ± 12.2	-34.6 ± 47.3	-14.9 ± 30.2	14.2 ± 13.9
$c_R^{XZ}/10^{-18}$	-4.6 ± 2.5	-9.3 ± 5.0	-5.3 ± 9.6	-4.6 ± 3.0
$-a_R^Y + 0.0084c_R^{TY}/10^{-21}\text{GeV}$	-9.3 ± 12.2	4.7 ± 47.3	-42.7 ± 30.2	-24.6 ± 13.9
$c_R^{YZ}/10^{-18}$	-2.6 ± 2.5	-7.0 ± 5.0	-0.5 ± 9.6	-7.2 ± 3.0
$c_R^{XX} - c_R^{YY}/10^{-18}$	5.4 ± 7.2	-0.5 ± 19.2	-0.7 ± 17.4	8.1 ± 8.7
$c_R^{XY}/10^{-18}$	3.4 ± 3.6	-4.2 ± 9.6	10.0 ± 8.7	3.3 ± 4.3
χ^2/NDF	53.5/66	18.7/18	13.2/18	17.0/18

TABLE VI: Fit results for the $\mu\tau$ flavor combination. With Tsinghua new data (EH3 predicted by reactor flux).