Auxiliary Material

TABLE I: Cross section times branching ratio limits for different Higgs boson test masses.

	M_ϕ (GeV/c^2)											
	90	100	110	120	130	140	150	160	170	180	190	200
Expected Limit (pb)	2.85	2.24	1.73	1.56	1.34	1.11	1.01	0.89	0.81	0.74	0.63	0.63
Observed Limit (pb)	4.73	4.04	2.91	2.11	2.12	1.82	1.69	1.43	1.19	0.84	0.71	0.73
	210	220	230	240	250	260	270	280	290	300	310	320
Expected Limit (pb)	0.58	0.58	0.53	0.45	0.49	0.44	0.44	0.43	0.40	0.41	0.39	0.39
Observed Limit (pb)	0.59	0.68	0.66	0.48	0.47	0.45	0.44	0.37	0.39	0.36	0.33	0.36

TABLE II: Expected and observed upper limits on $\tan\beta$ as a function of Higgs boson mass in four MSSM benchmark scenarios.

M_ϕ	m_h^{max}		m_h^{max}		no mixing		no mixing	
(GeV/c^2)	$\mu = +200$ GeV/c^2		$\mu = -200$ GeV/c^2		$\mu = +200$ GeV/c^2		$\mu = -200$ GeV/c^2	
	Exp	Obs	Exp	Obs	Exp	Obs	Exp	Obs
90	35.9	44.8	34.8	42.6	35.5	44.1	35.5	43.9
100	39.4	50.0	37.5	47.6	38.8	49.0	38.6	48.7
110	42.0	53.1	42.6	51.2	40.9	52.2	40.7	51.4
120	48.2	56.1	47.5	54.5	47.5	55.4	47.3	56.1
130	51.3	64.2	51.0	61.4	50.4	62.8	50.4	63.3
140	57.1	72.0	56.7	68.6	56.1	72.1	56.4	72.6
150	64.7	86.7	63.2	80.2	63.7	86.5	63.3	85.9
160	72.9	94.5	70.8	85.5	72.4	92.7	72.0	90.9
170	81.6	102	79.1	90.9	80.1	99.1	79.3	96.8
180	94.0	101	87.7	92.2	91.3	100	90.5	97.6

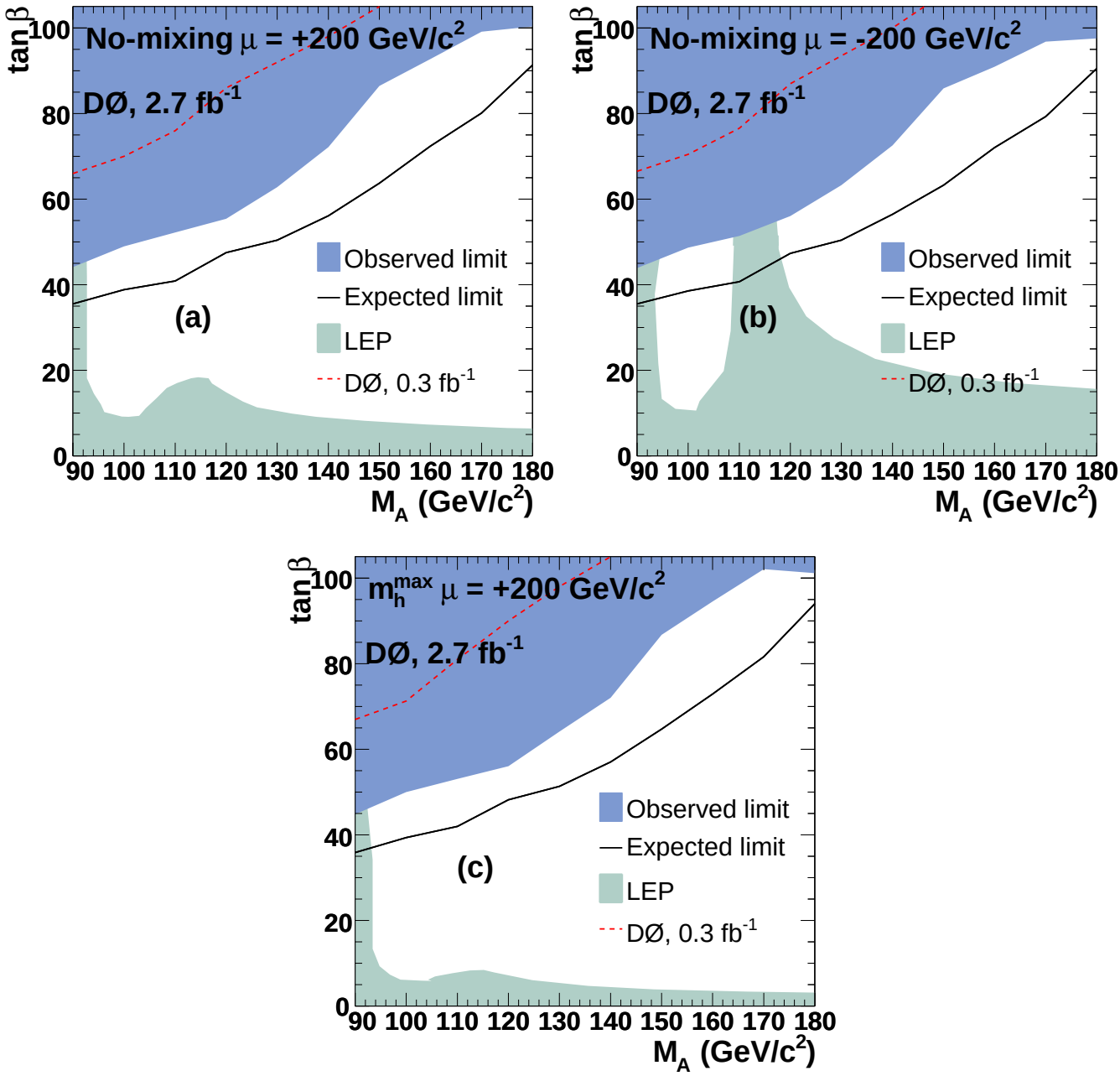

FIG. 1: Limits on $\tan\beta$ vs. M_A for different benchmark scenarios: (a) no-mixing, $\mu = +200$ GeV/c^2; (b) no-mixing, $\mu = -200$ GeV/c^2; (c) maximal-mixing (m_h^{max}), $\mu = +200$ GeV/c^2.