

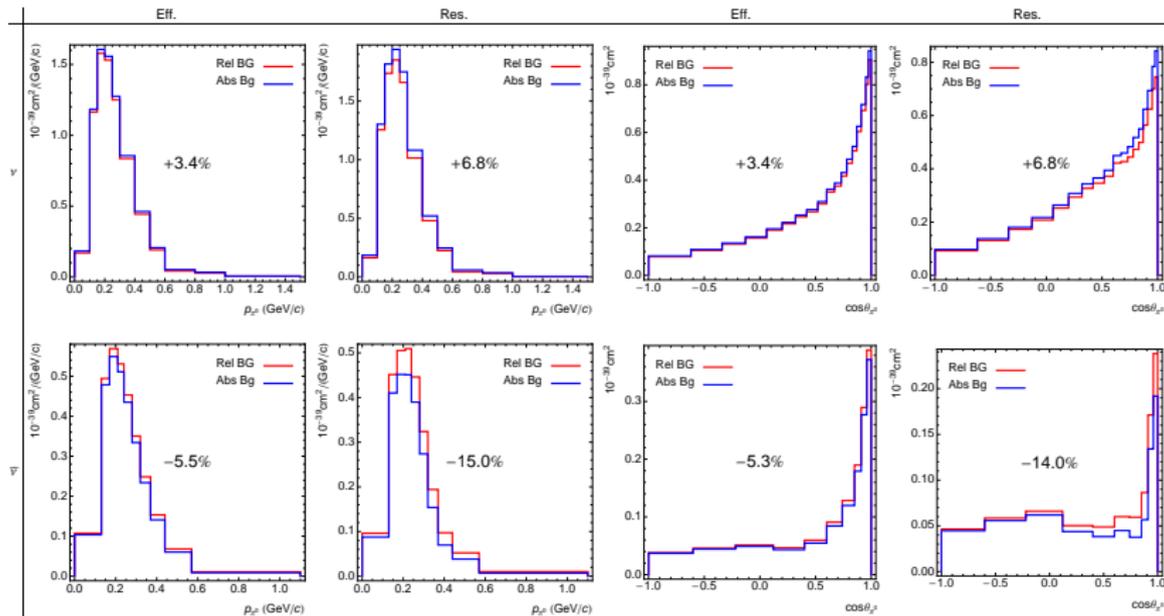
NC π^0 Update

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Change in CV between Rel. and Abs. BG Subtraction



Nothing unexpected here – a small change in neutrino cross sections and a more substantial change in the antineutrino resonant cross section.

Flux Errors - Absolute BG vs. Relative BG (x-factor varied)

Normalization error from each source on each cross section under absolute background subtraction (Difference from errors under relative background subtraction in parentheses):

	π^-	π^+	Beam	K^0	K^-	K^+	Hadr	XSec	QTCorr	Disc	OM	Uns	Pot	Tot
ν Eff.	0.3%	10.8%	6%	0.1%	0%	0.9%	0.1%	8.2%	3%	4.3%	2%	0%	2%	16.1%
	(+0.0%)	(+0.4%)	(+1.9%)	(+0.0%)	(+0.0%)	(+0.4%)	(+0.0%)	(+1.5%)	(+0.8%)	(+0.8%)	(+0.0%)	(+0.0%)	(+0.0%)	(+2.1%)
ν Res.	0.3%	11.4%	7.8%	0.1%	0%	1.2%	0.1%	10.5%	4.1%	5.5%	16.6%	0%	2%	29.5%
	(+0.1%)	(+0.8%)	(+3.8%)	(+0.1%)	(+0.0%)	(+0.7%)	(+0.1%)	(+3.7%)	(+1.6%)	(+1.8%)	(+6.1%)	(+0.0%)	(+0.0%)	(+12.0%)
$\bar{\nu}$ Eff.	11.3%	9.3%	6.1%	0.5%	0.3%	1.5%	0.1%	10.7%	3.9%	4.3%	7%	0.3%	2%	21.3%
	(+0.3%)	(+4.3%)	(+2.9%)	(+0.2%)	(+0.3%)	(+0.7%)	(+0.1%)	(+5.3%)	(+2.0%)	(+1.6%)	(+3.2%)	(+0.0%)	(+0.0%)	(+6.7%)
$\bar{\nu}$ Res.	13.7%	17.6%	12%	0.9%	0.8%	2.8%	0.3%	21%	7.9%	7.3%	27.9%	0.4%	2%	45%
	(+1.7%)	(+13.0%)	(+8.6%)	(+0.6%)	(+0.7%)	(+2.0%)	(+0.2%)	(+16.0%)	(+5.9%)	(+4.8%)	(+19.0%)	(+0.0%)	(+0.0%)	(+28.0%)