

Expected uncertainty of $\nu(\text{CNO})$ rate

CNO uncertainty evaluated with a toy-MC method

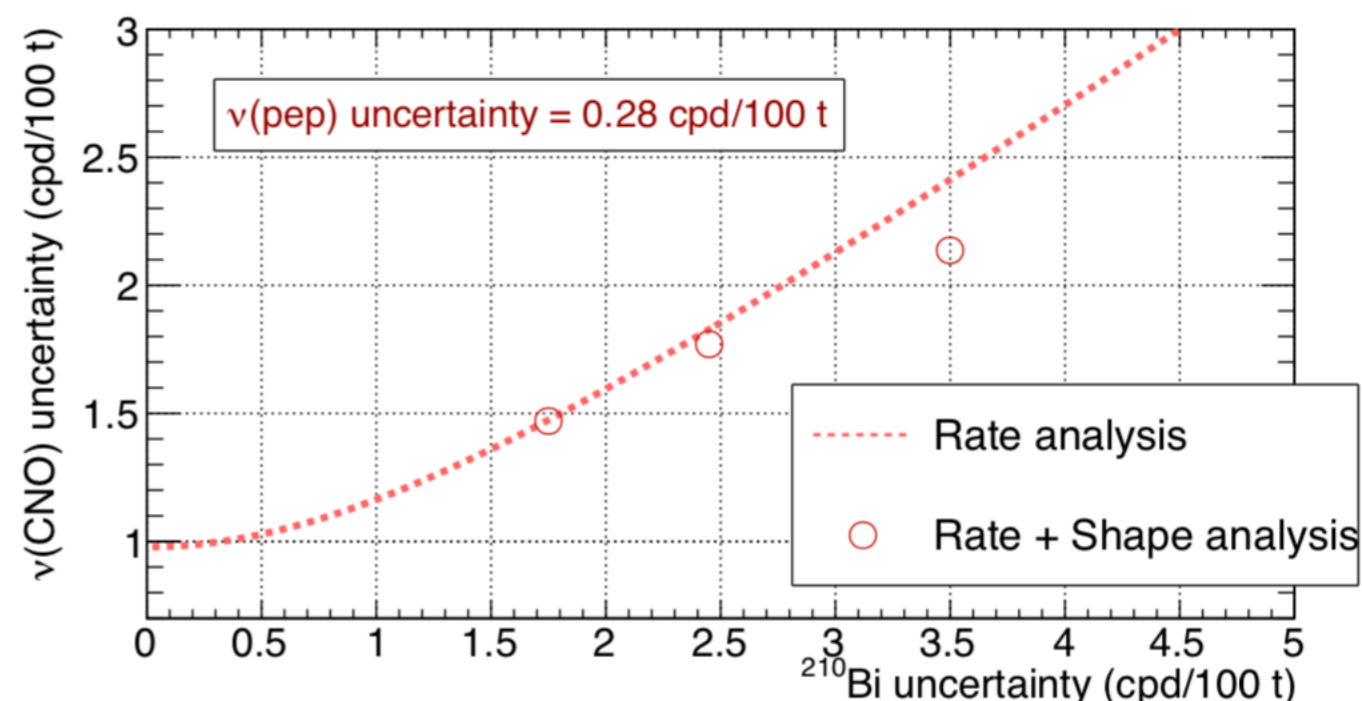
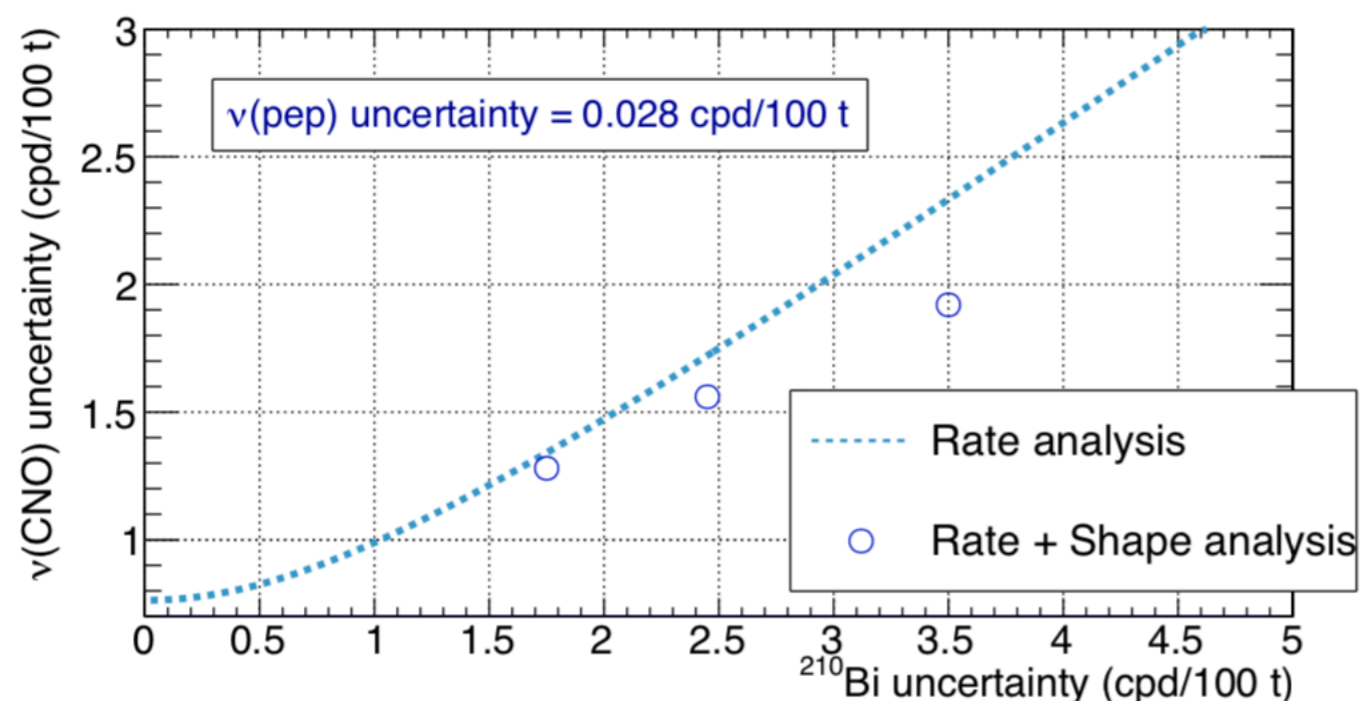
Full multivariate analysis (energy + radial distribution)

Simultaneous fit of the ^{11}C sub./tagged datasets

Exposure: Jul 2013 - May 2016
Variables: n_{hits}, r^3

CNO	Inj. Rate
^{210}Bi	4.9 cpd/100t
Remainder	17.5 cpd/100t
	See last solar analysis

pep and ^{210}Bi constraints folded in the analysis by adding to the likelihood two independent multiplicative Gaussian penalty terms on the ^{210}Bi and the $\nu(\text{pep})$ rate.



Shape information helps the CNO sensitivity if the ^{210}Bi constraint is weaker than 2.5 cpd/100t

(Systematic uncertainties not included)