

Contributions to $\pi\nu\nu$

Item	Analysers	Method	Status	Perspectives	Ref
Optimisation of LAV-based rejection	S. Martelletti, LAV WG	Position wrt K- π vtx, multiplicity, type & position of LAV hits	Studies on Data&MC $\pi\pi^0$, data μ runs.	Random-veto reduction by x2	$\pi\nu\nu$ meeting 6/6/2018
Improvements on upstream background	R. Lollini	Bifurcation, mis-tagging prob.	Studies on 2017 Data pnn, 3π samples	Reduction by x2 of error from bifurcation, improved understanding	$\pi\nu\nu$ meeting 3/4/2019
Improvements on tails from reconstruction	E. Minucci, T. Spadaro	Use a-priori errors	Initial studies on 2017A and MC 3π sample	TBD	ssh://git@gitlab.cern.ch:7999/eminucci/strawerror.git
PID improvements	F. Brizioli, RICH WG	optimization of likelihood VS missing mass cut	New cuts applied to 2017 $\pi\nu\nu$ official selection	Include other detectors to further improve	$\pi\nu\nu$ meeting 3/4/2019
MV approach for signal search	TBD	Combine PID, GTK, Beam info	Concept	TBD	