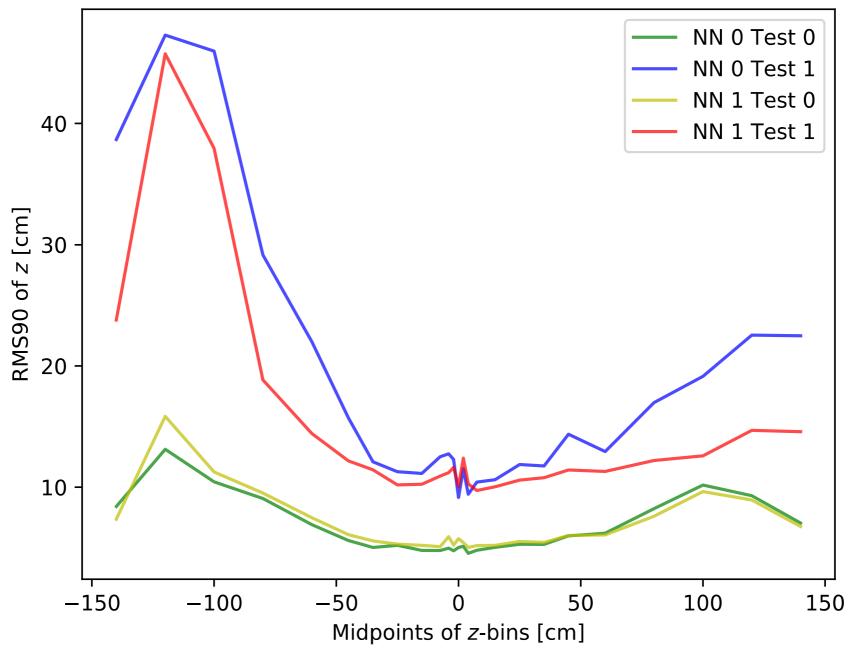
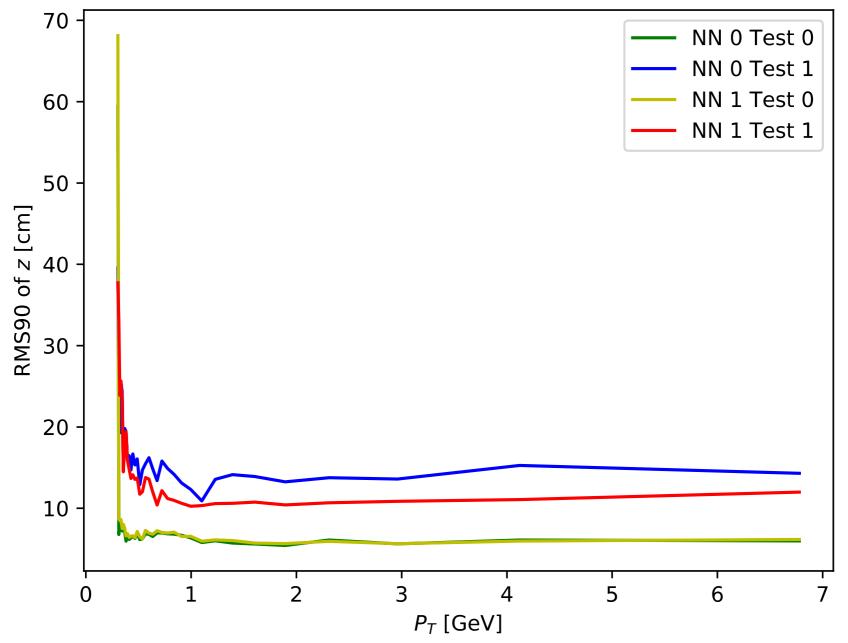
z tested [-150, 150]

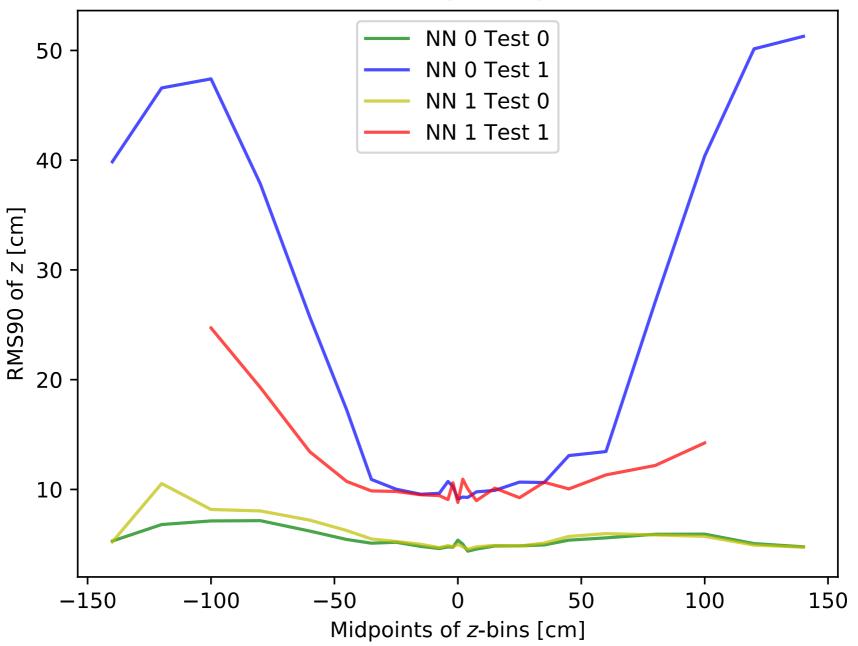


*P*_T dependent *z*-Resolution, *z* trained [-150, 150]

z tested [-150, 150] *cm*

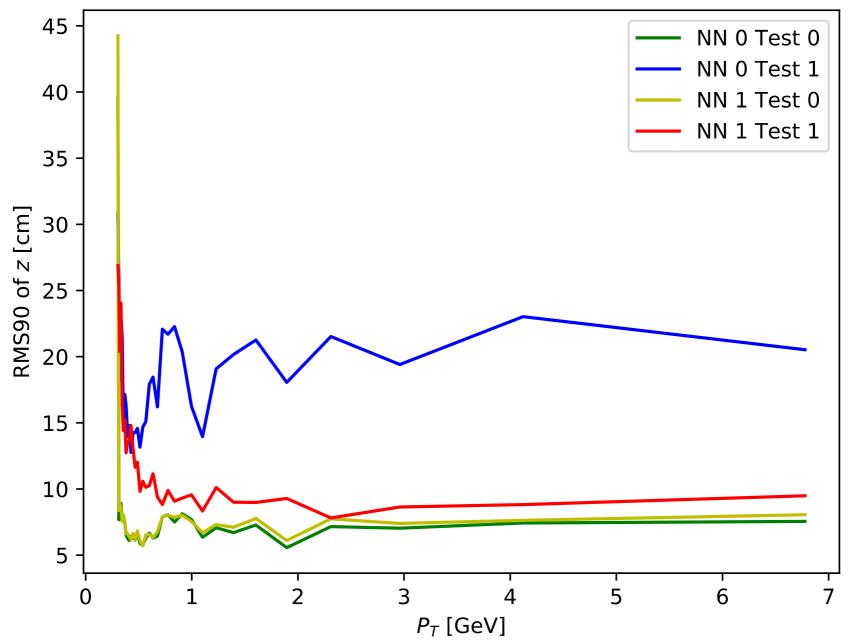


z tested [-100, 100]

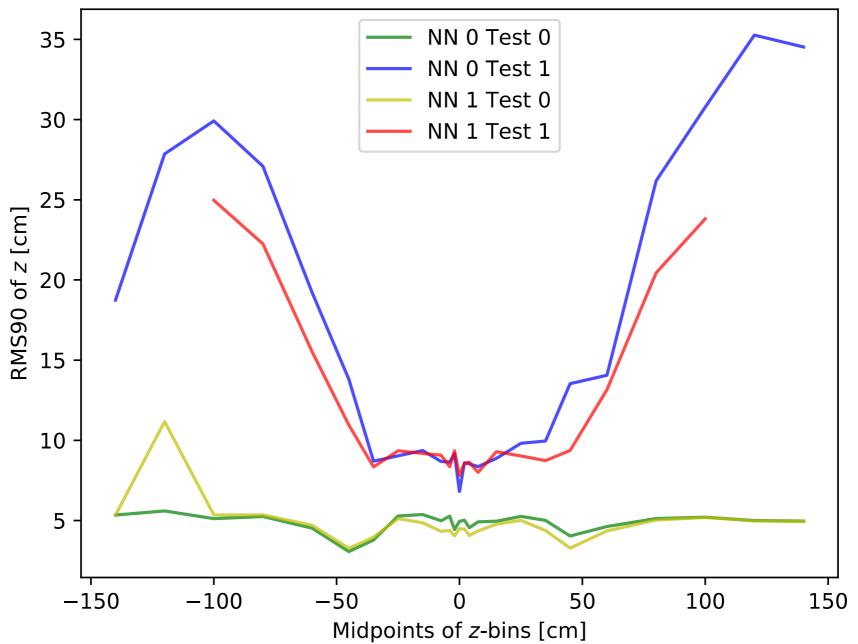


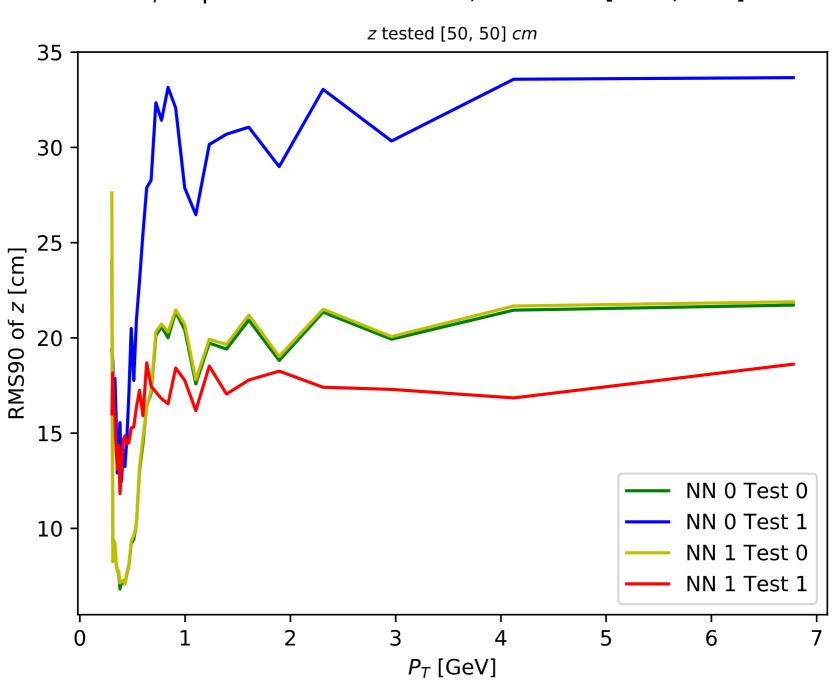
P_T dependent z-Resolution, z trained [-150, 150]

z tested [-100, 100] *cm*

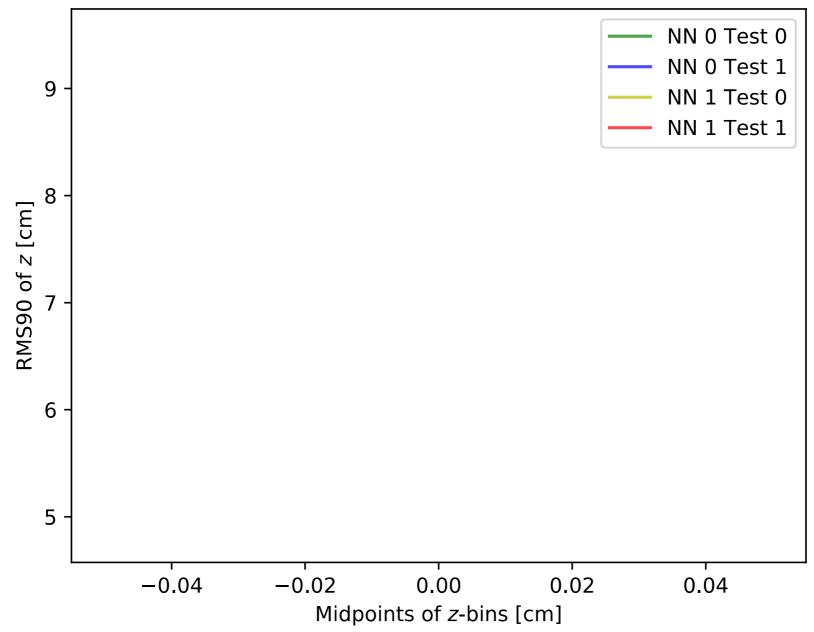


z tested [50, 50]



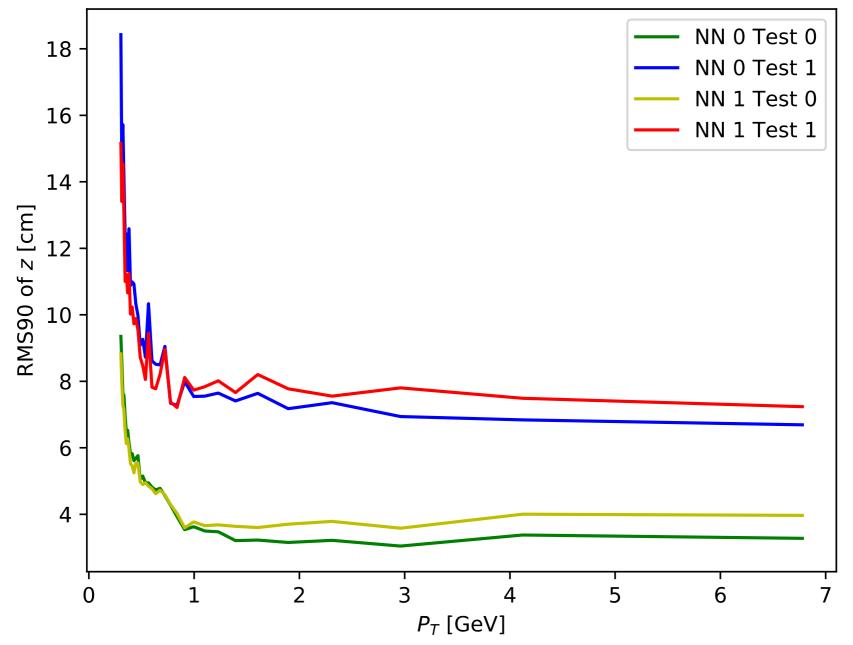


z tested [-1, 1]



P_T dependent z-Resolution, z trained [-150, 150]

z tested [-1, 1] *cm*



NN: Trained [-150, 150], Tested [-150, 150]

true_cut: 1 pred_cut: 10	Positive/Signal	Negative/Background
True/Signal	True Positive : True in [-1, 1] Predicted in [-10, 10]	True Negative : True in [-150, -1] or [1, 150] Predicted in [-150, -10] or [10, 150]
	NN_00: 84.8% ± 2.44% NN_01: 69.4% ± 3.04% NN_10: 80.6% ± 2.68% NN_11: 65.5% ± 3.14%	NN_00: 87.9% ± 0.255% NN_01: 88.0% ± 0.241% NN_01: 88.0% ± 0.254% NN_11: 88.1% ± 0.240%
False/Background	False Positive : True in [-150, -1] or [1, 150] Predicted in [-10, 10]	False Negative : True in [-1, 1] Predicted in [-150, -10] or [10, 150]
	NN_00: 12.1% ± 0.255% NN_01: 12.0% ± 0.241% NN_01: 12.0% ± 0.254% NN_11: 11.9% ± 0.240%	NN_00: 15.2% ± 2.44% NN_01: 30.6% ± 3.04% NN_01: 19.4% ± 2.68% NN_11: 34.5% ± 3.14%

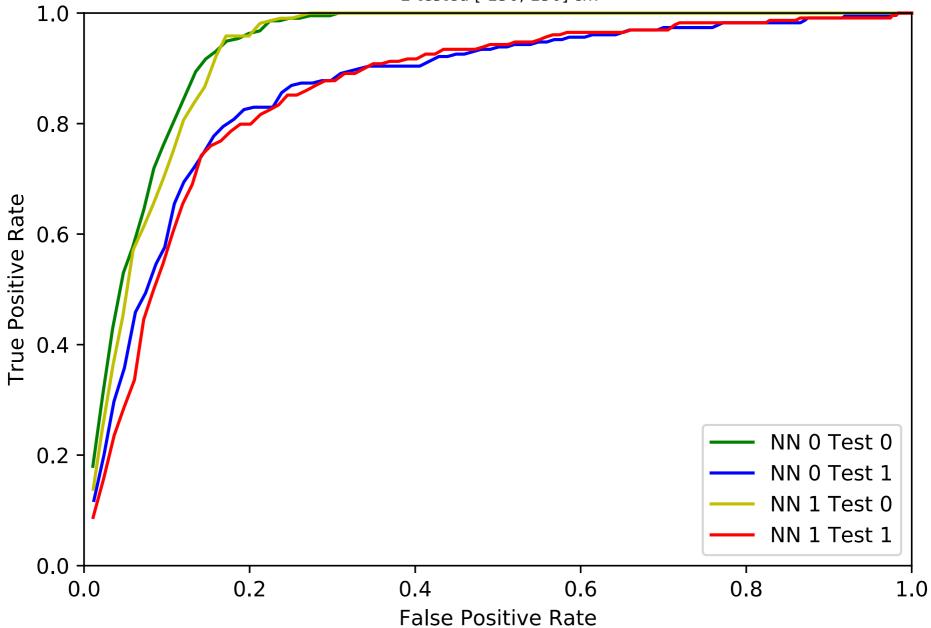
NN_00: NN trained without Bkg, tested without Bkg NN_01: NN trained without Bkg, tested with Bkg NN_10: NN trained with Bkg, tested without Bkg NN_11: NN trained with Bkg, tested with Bkg

NN: Trained [-150, 150], Tested [-150, 150]

true_cut: 1 pred_cut: 7.5	Positive/Signal	Negative/Background
True/Signal	True Positive: True in [-1, 1] Predicted in [-7.5, 7.5] NN_00: 74.2% \pm 2.97% NN_01: 56.3% \pm 3.28% NN_10: 68.2% \pm 3.16% NN_11: 53.3% \pm 3.30%	True Negative: True in [-150, -1] or [1, 150] Predicted in [-150, -7.5] or [7.5, 150] NN_00: $91.0\% \pm 0.224\%$ NN_01: $90.8\% \pm 0.214\%$ NN_01: $91.1\% \pm 0.222\%$ NN_11: $91.0\% \pm 0.211\%$
False/Background	False Positive: True in [-150, -1] or [1, 150] Predicted in [-7.5, 7.5] NN_00: $9.00\% \pm 0.224\%$ NN_01: $9.23\% \pm 0.214\%$ NN_01: $8.94\% \pm 0.222\%$ NN_11: $9.00\% \pm 0.211\%$	False Negative: True in [-1, 1] Predicted in [-150, -7.5] or [7.5, 150] NN_00: $25.8\% \pm 2.97\%$ NN_01: $43.7\% \pm 3.28\%$ NN_01: $31.8\% \pm 3.16\%$ NN_11: $46.7\% \pm 3.30\%$

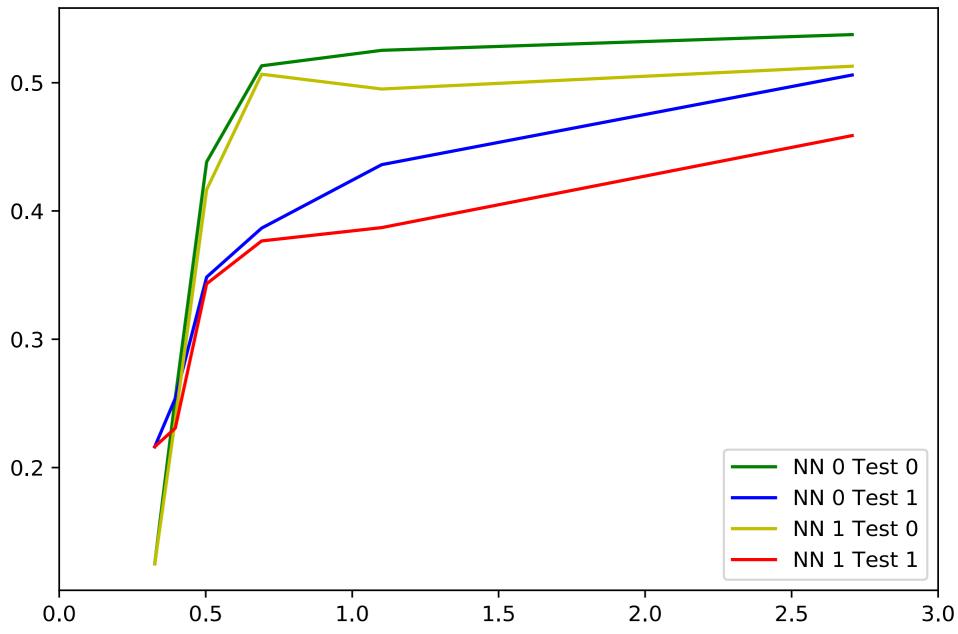
NN_00: NN trained without Bkg, tested without Bkg NN_01: NN trained without Bkg, tested with Bkg NN_10: NN trained with Bkg, tested without Bkg NN_11: NN trained with Bkg, tested with Bkg

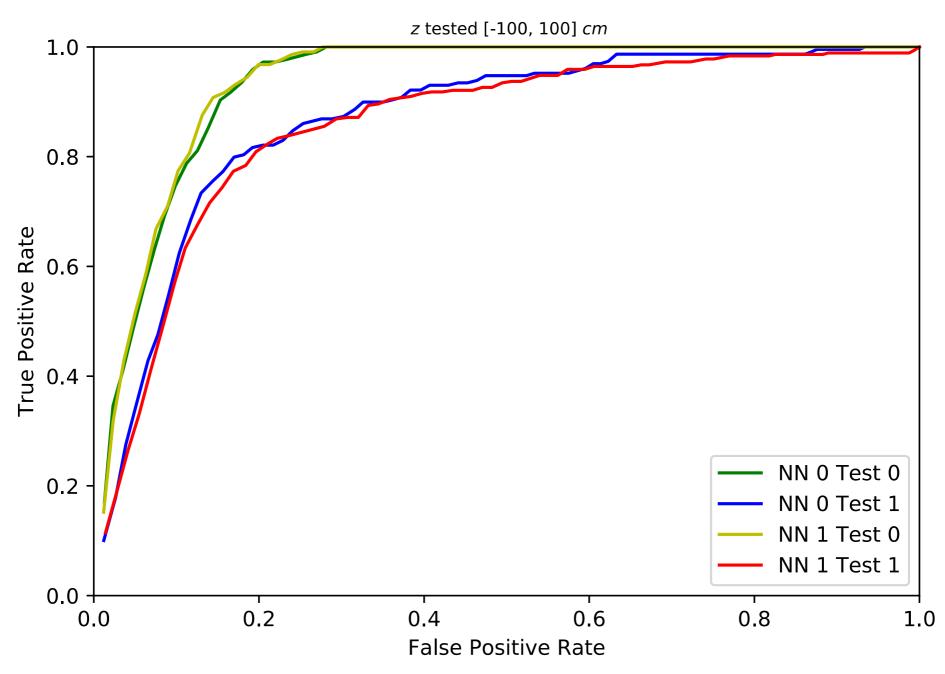
z tested [-150, 150] *cm*



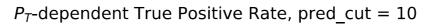
z trained [-150, 150] cm, z tested [-150, 150] cm

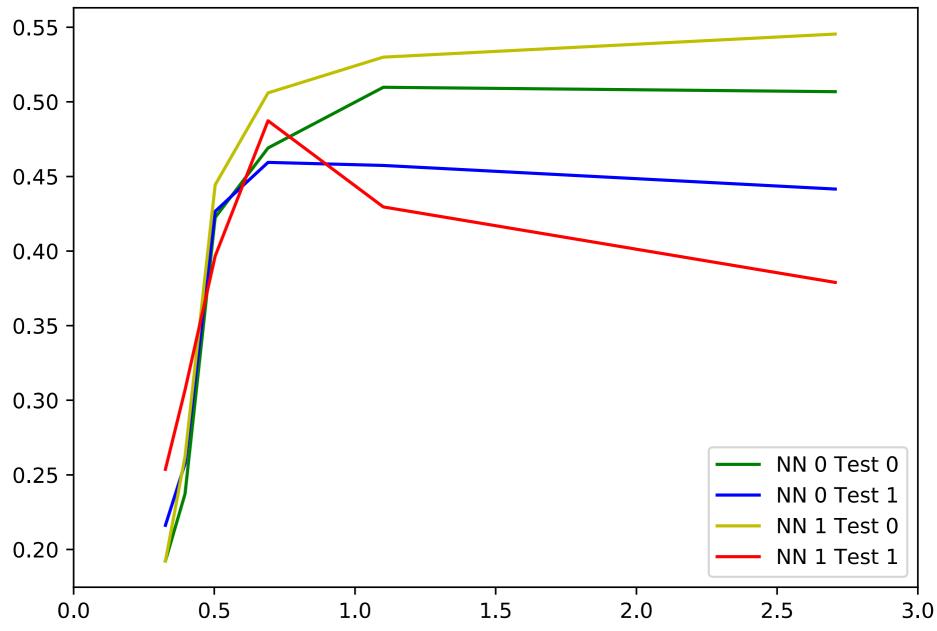


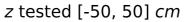


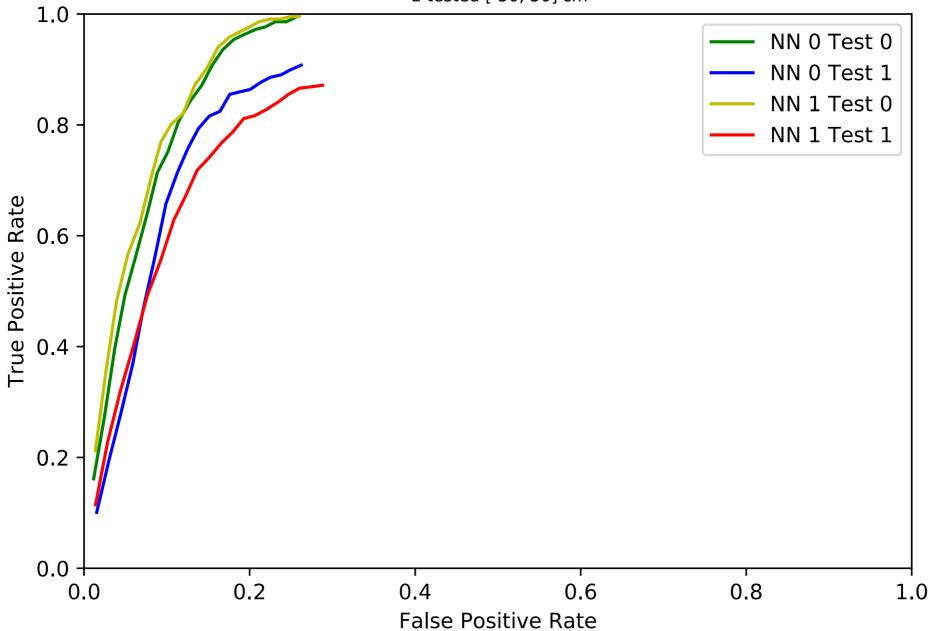


z trained [-150, 150] cm, z tested [-100, 100] cm

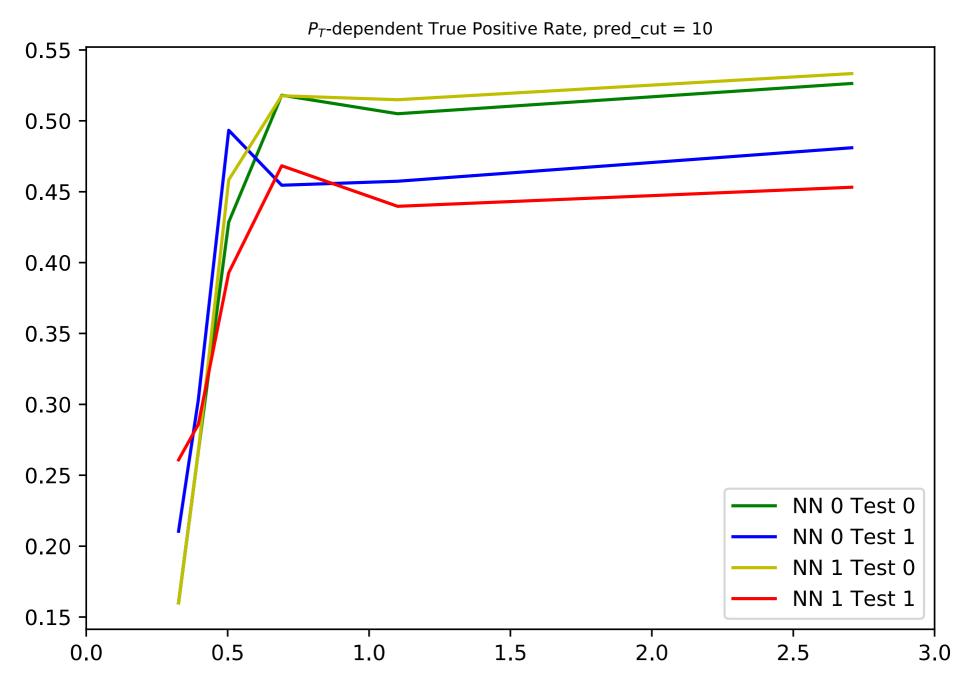


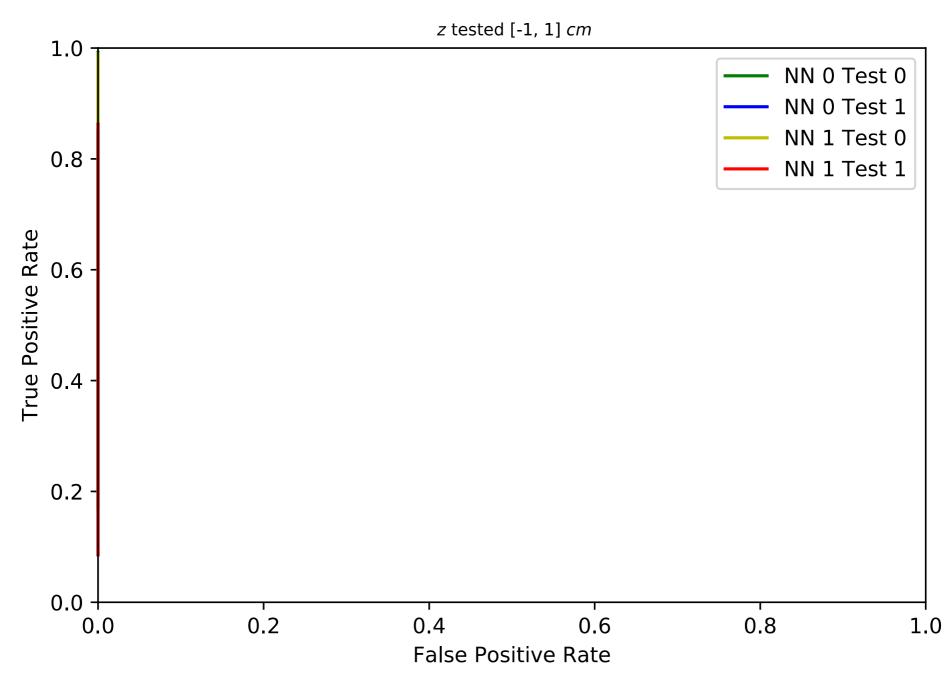






z trained [-150, 150] cm, z tested [-50, 50] cm





z trained [-150, 150] cm, z tested [-1, 1] cm

