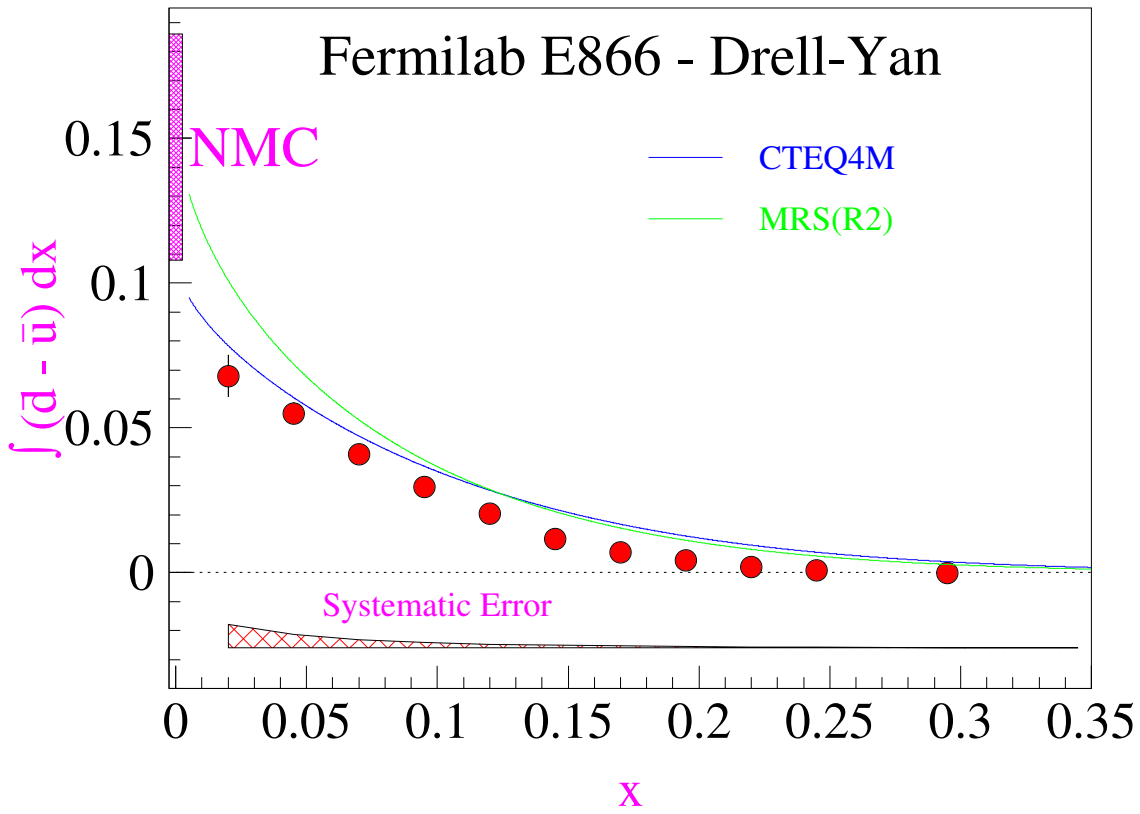
$$\int \left(\bar{d} - \bar{u}\right) dx$$



x range	CTEQ4M	MRS(R2)	Expt.
$0.0 < x < 1.0$	0.108	0.161	0.147 ± 0.039 (NMC)
$0.34 < x < 1.0$	0.002	0.001	-
$0.02 < x < 0.34$	0.077	0.101	0.068 ± 0.011 (E866)
$0.0 < x < 0.02$	0.030	0.059	-

FNAL-E866/NuSea

$$\int_0^1 \left[\bar{d}(x) - \bar{u}(x)\right] dx = 0.100 \pm 0.007 \pm 0.017$$