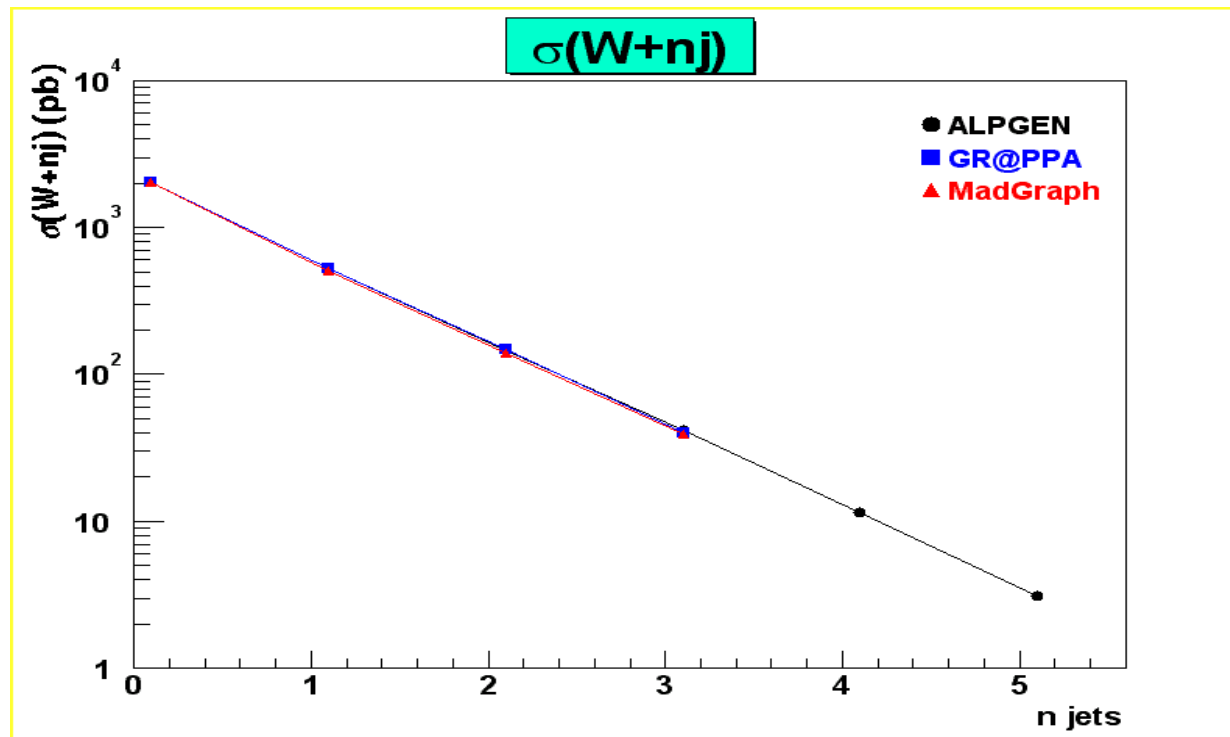


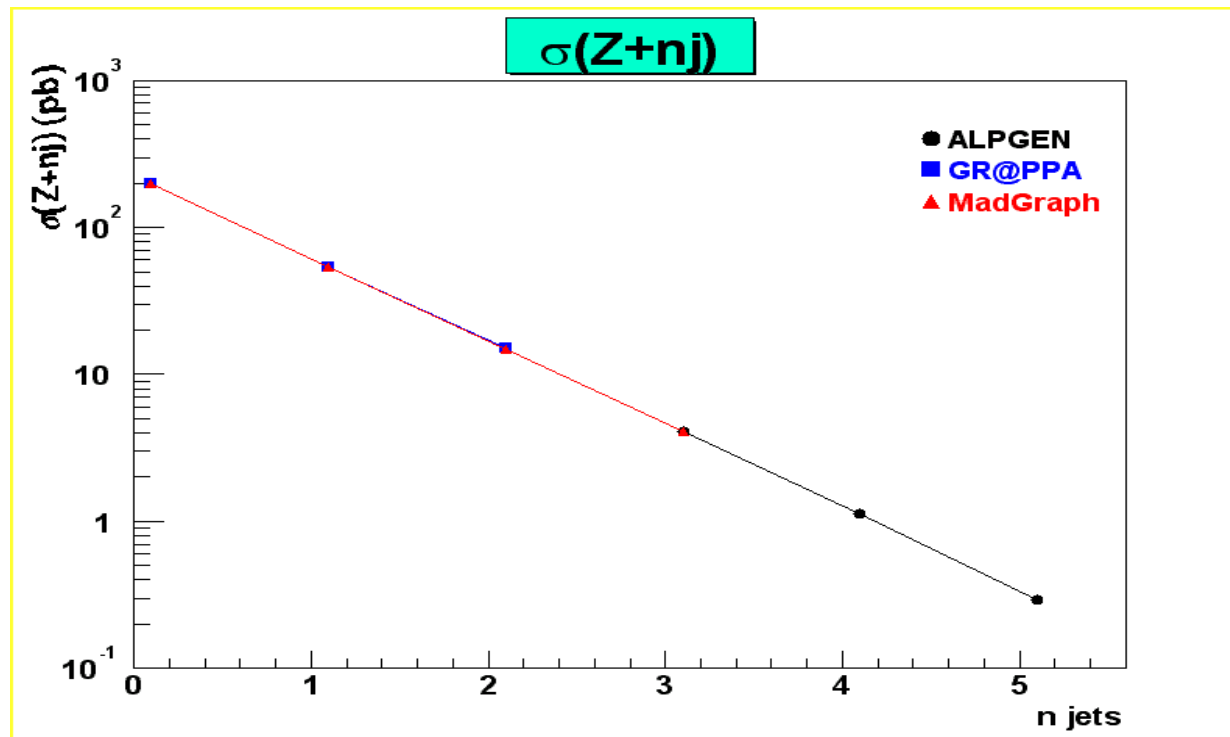
$\sigma(W+\text{jets})$ (pb)

ME-MC	W+0j	W+1j	W+2j	W+3j	W+4j	W+5j
ALPGEN	2046±1	522.6±0.6	146.1±0.3	41.5±0.2	11.55±0.07	3.13±0.02
GRAPPA	2042±4	525.4±0.6	146.8±0.3	40.2±0.3		
MadGraph	2031±4	507.9±0.7	138.9±0.3	38.9±0.1		



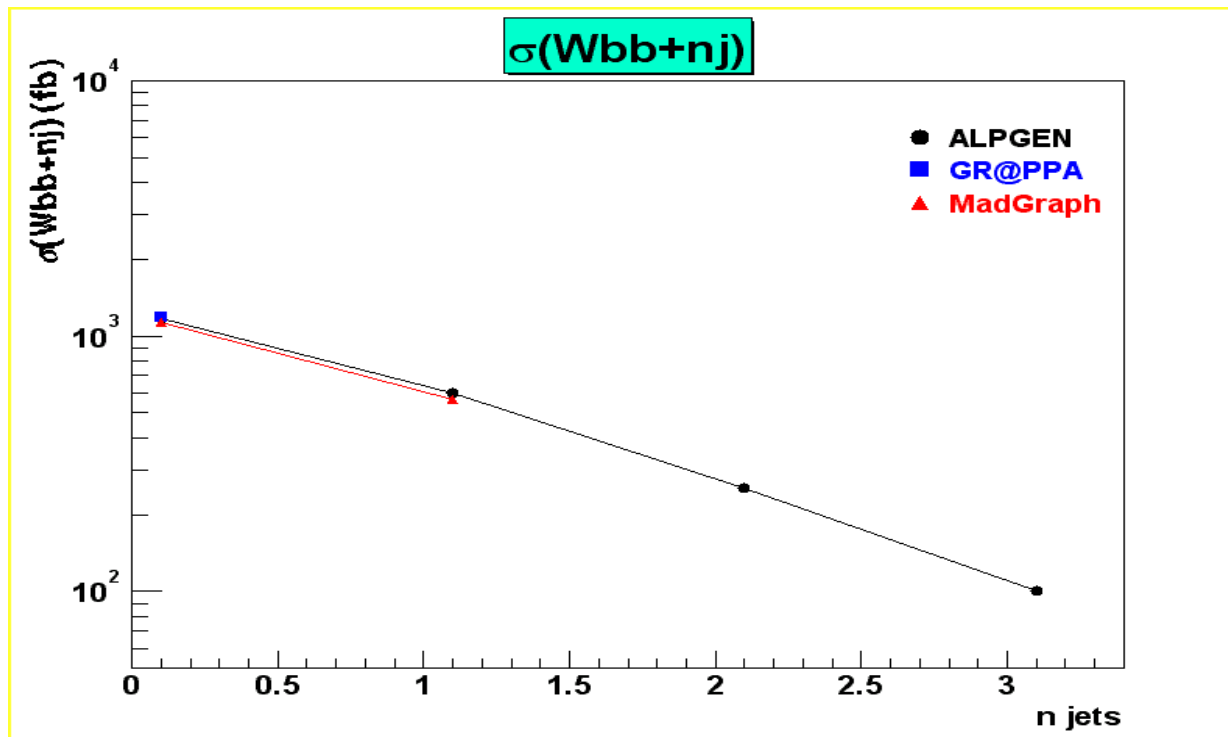
$\sigma(Z+\text{jets})$ (pb)

ME-MC	Z+0j	Z+1j	Z+2j	Z+3j	Z+4j	Z+5j
ALPGEN	198.0±0.2	53.72±0.06	14.76±0.05	4.09±0.02	1.13±0.01	0.292±0.002
GRAPPA	198.1±0.2	54.02±0.06	15.07±0.02			
MadGraph	198.9±0.7	53.5±0.2	14.70±0.04	4.079±0.009		



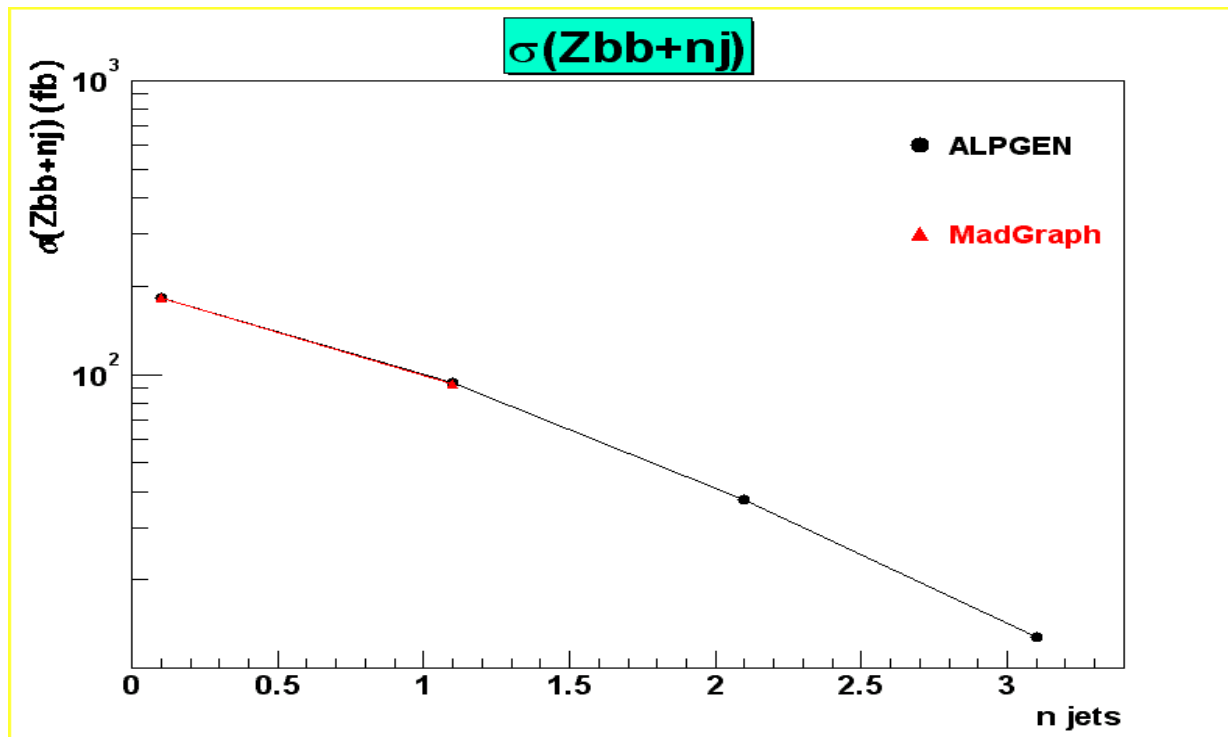
$\sigma(Wbb+jets)$ (fb)

ME-MC	Wbb+0j	Wbb+1j	Wbb+2j	Wbb+3j
ALPGEN	1170 \pm 2	596 \pm 2	253 \pm 2	100 \pm 1
GRAPPA	1178 \pm 3			
MadGraph	1127 \pm 5	565 \pm 4		

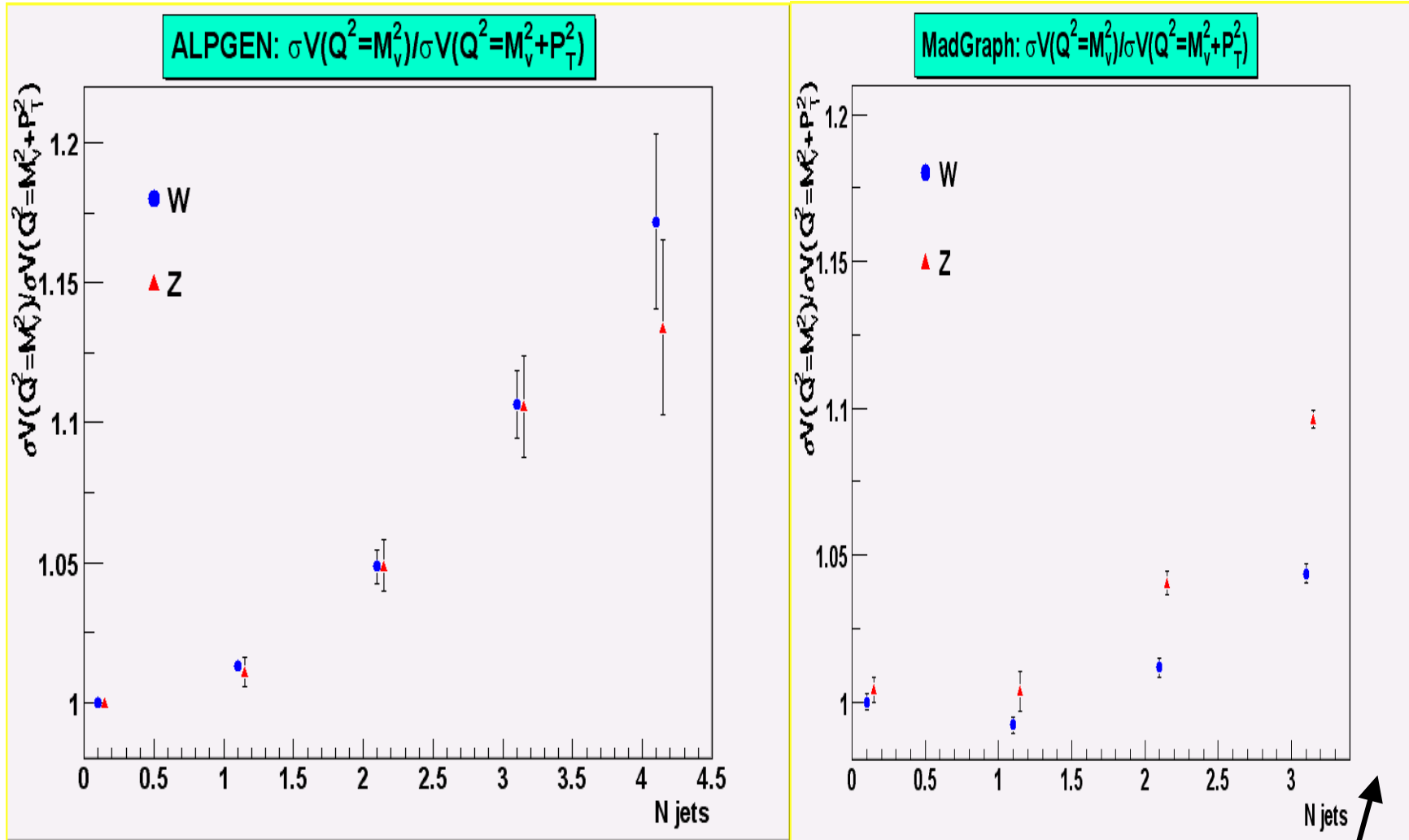


$\sigma(\text{Zbb+jets})$ (fb)

ME-MC	Zbb+0j	Zbb+1j	Zbb+2j	Zbb+3j
ALPGEN	181.7±0.4	93.5±0.5	37.6±0.4	12.8±0.6
MadGraph	182.5±1.2	92.7±0.4		



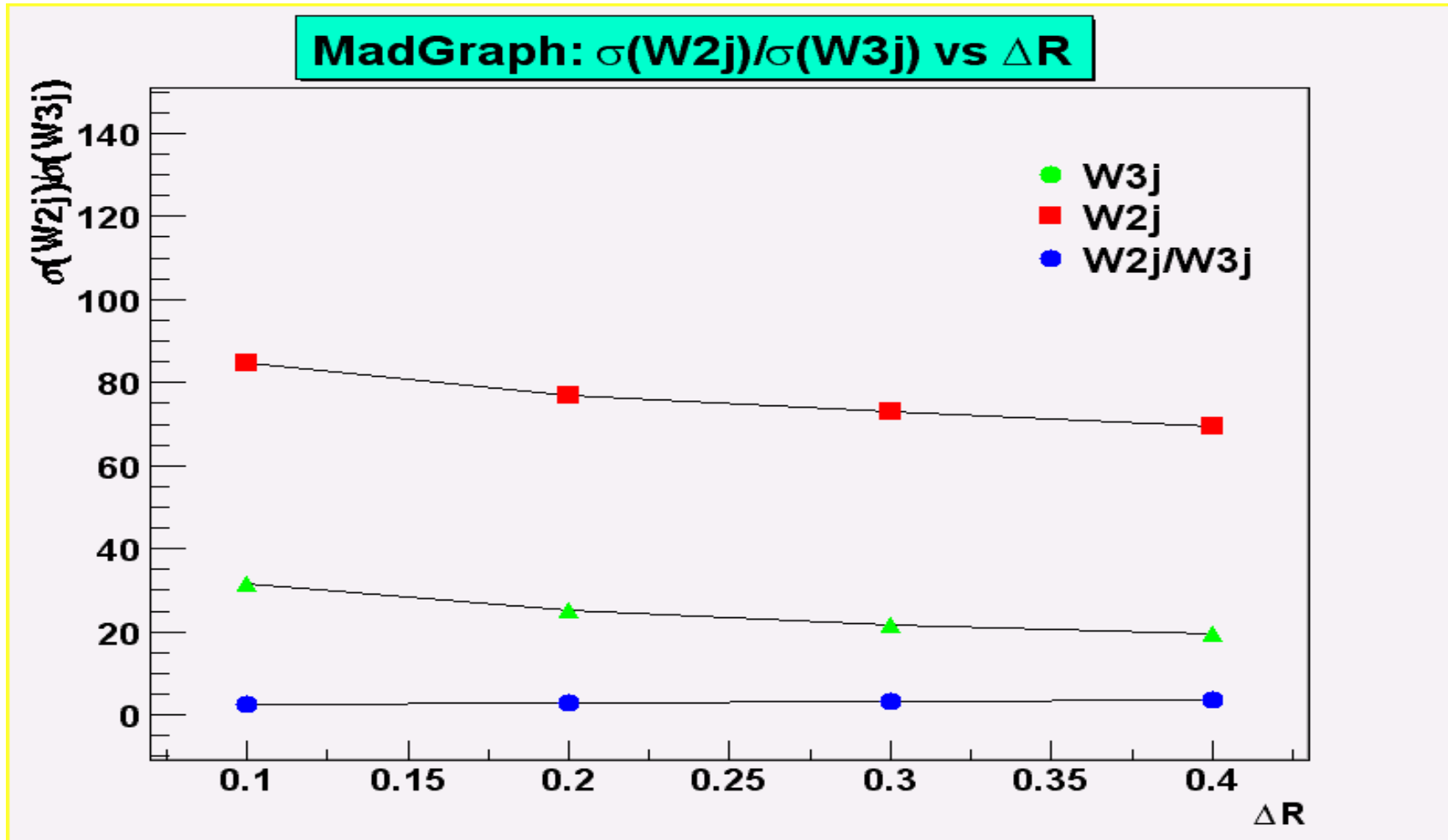
Q^2 dependence



Q^2 hard to change: user error? Tim Steltzer working on this

DR(jj)

DR(jj) : how low can ME-MC's go ?



Summary

- W_{+j}
 - MadGraph gives lower σ
- Z_{+j}
 - Looks fine
- $W_{bb_{+j}}$
 - MadGraph gives lower σ
- $Z_{bb_{+j}}$
 - MadGraph & ALPGEN agree well

Current/future work

- Started running CompHEP & MCFM
 - Will show results next time
 - Need to understand a few problems
- MadGraph
 - Working with Tim S. to understand differences
 - Will generate more processes AFTER agreement in lower jet multiplicity
- Kinematical distributions look fine
- Look at P.S. results after agreement (or understanding of disagreement) in LO