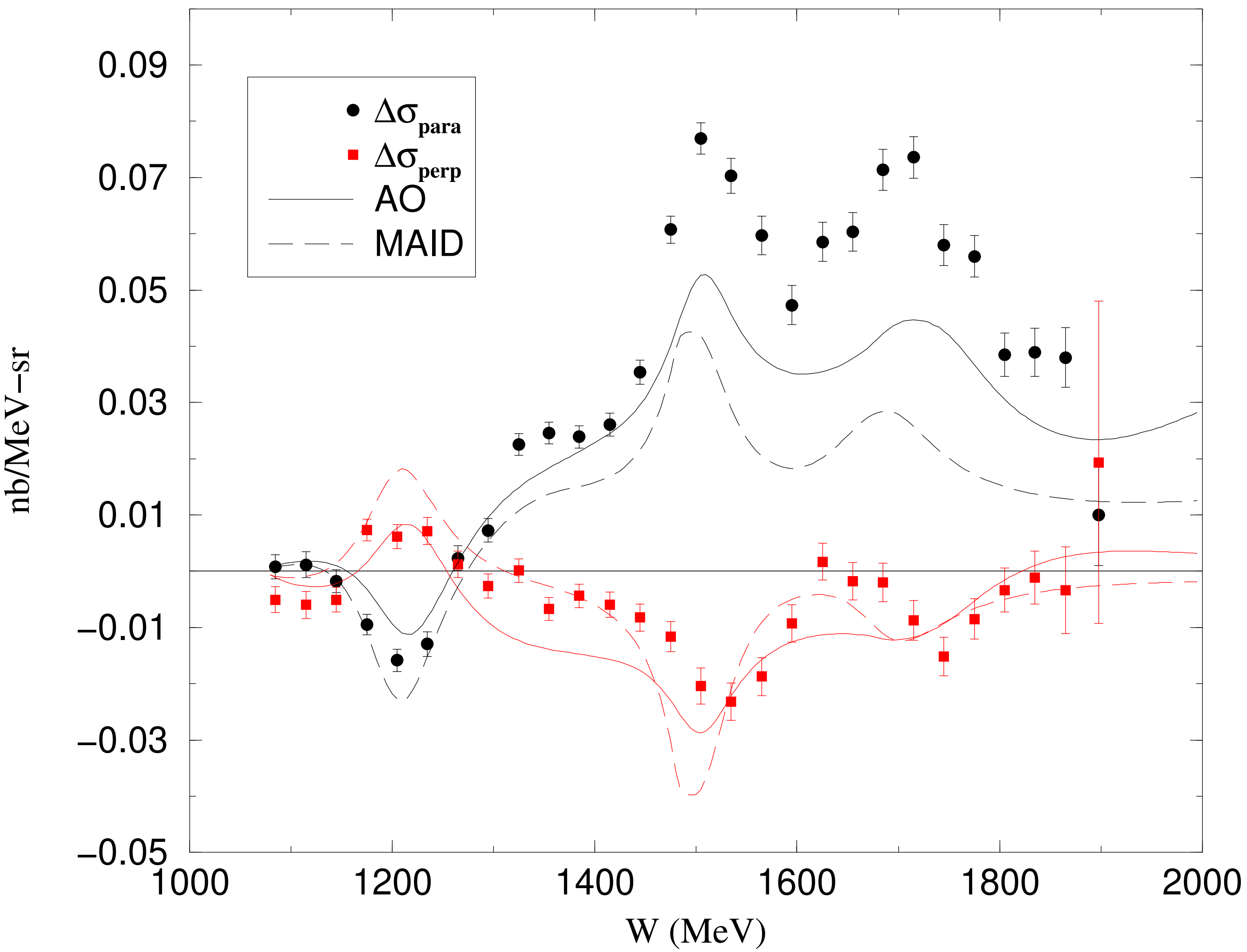
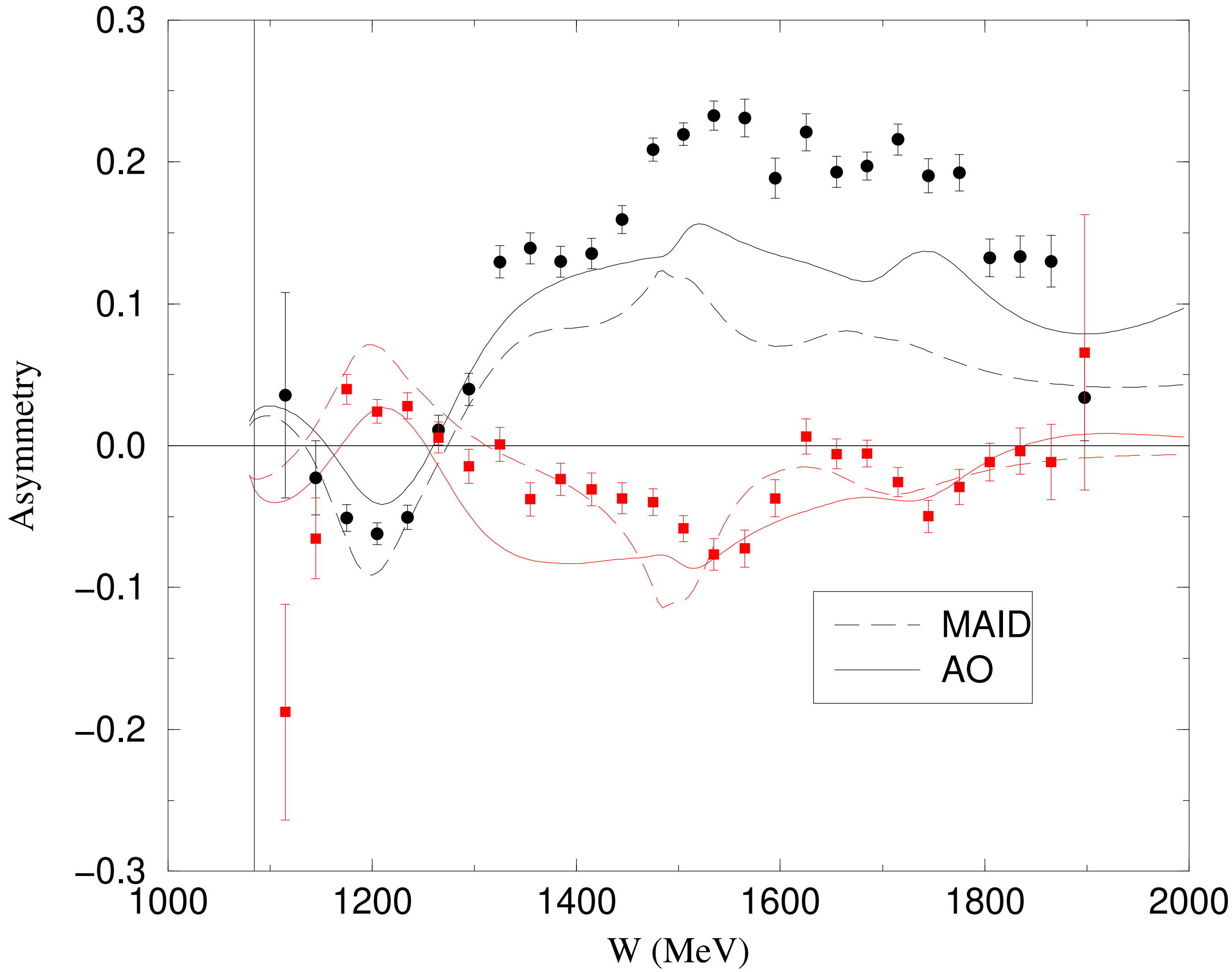
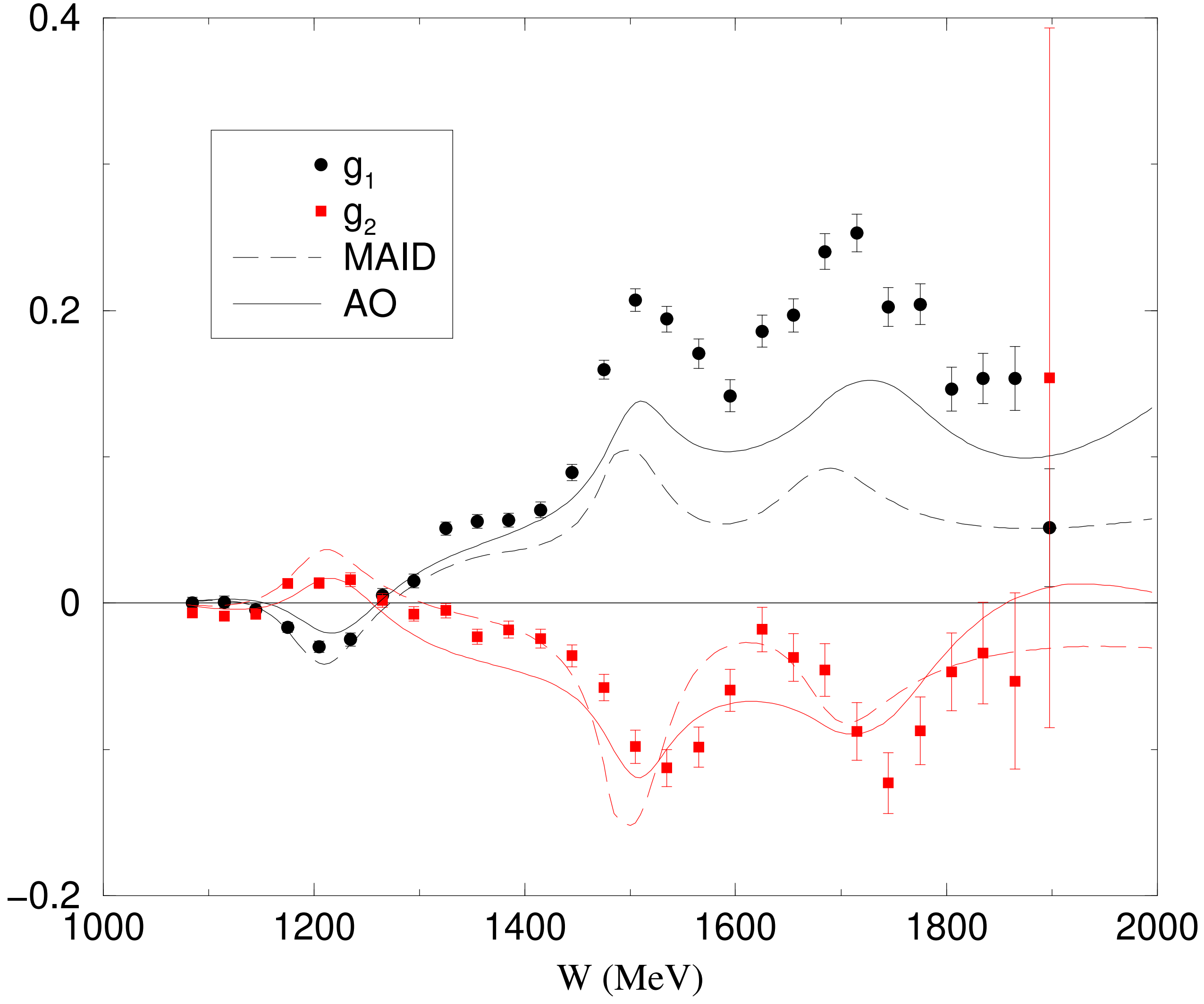
K. Slifer
May 12, 2005

RSS Proton Physics Quantities

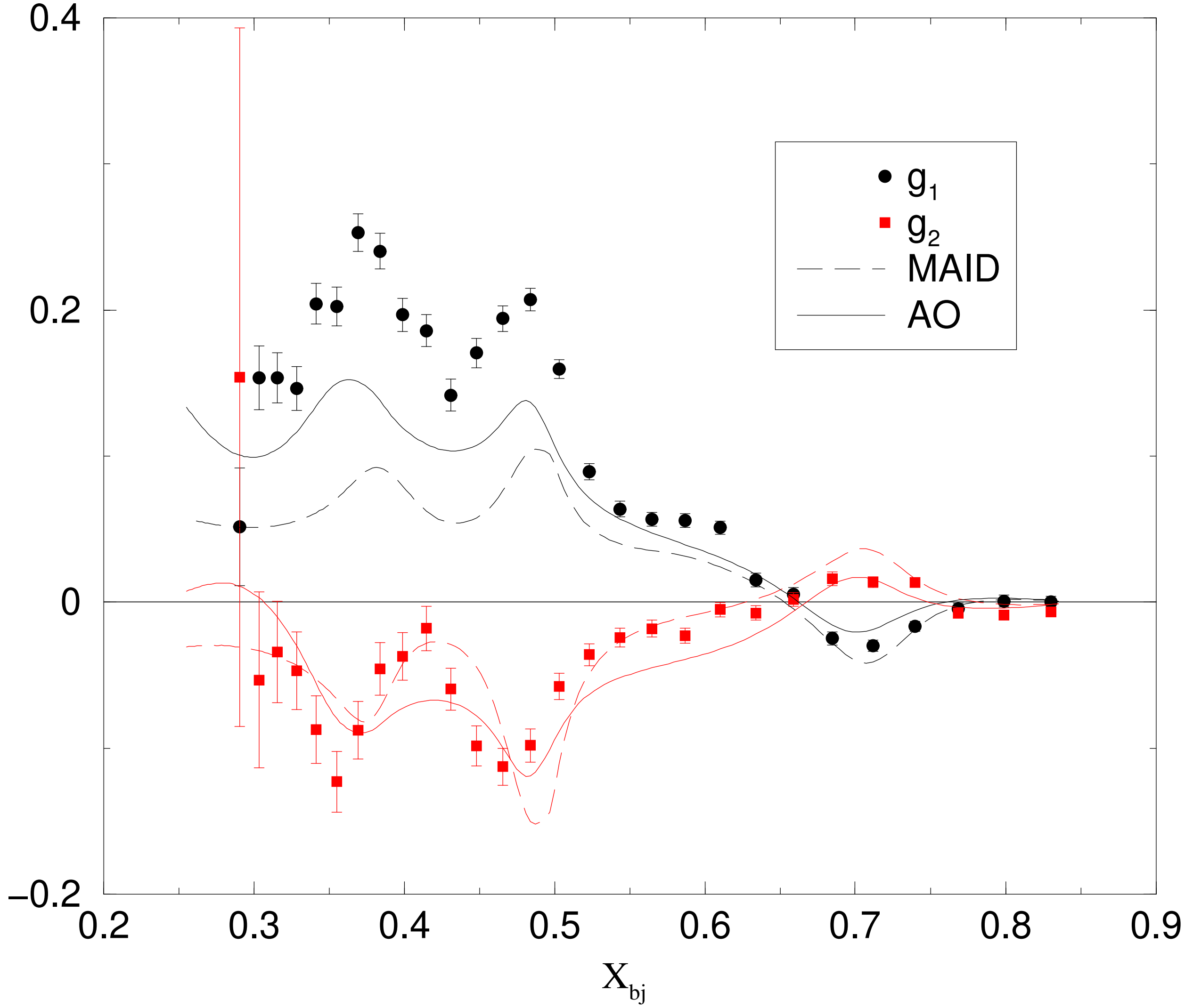


0.09
0.07
0.05
0.03
0.01
−0.01
−0.03
−0.05
1000
1200
1400
1600
1800
2000
W (MeV)
nb/MeV−sr
$\Delta\sigma_{para}$
$\Delta\sigma_{perp}$
AO
MAID

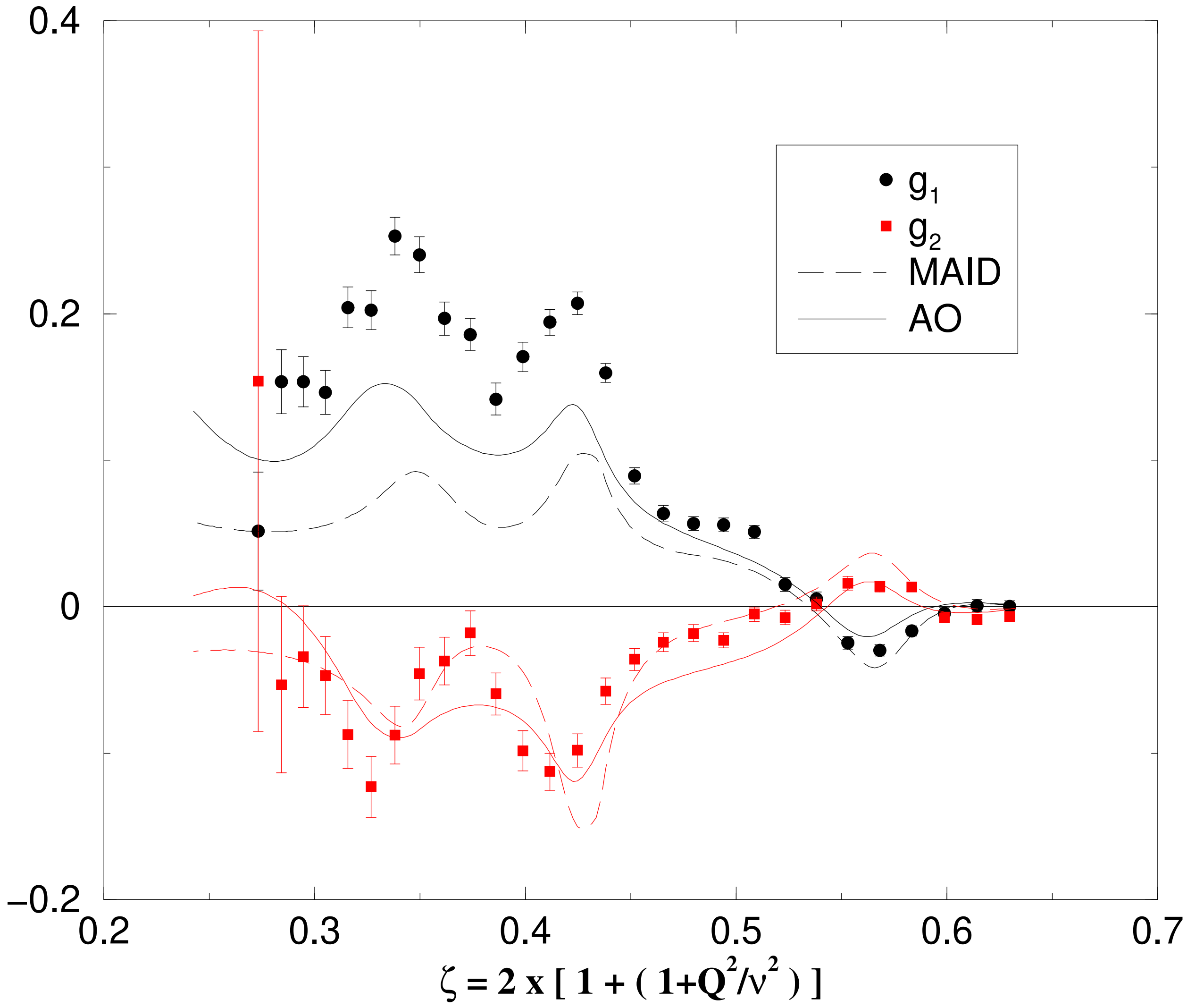

0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
Asymmetry
1000
1200
1400
1600
1800
2000
W (MeV)
MAID
AO



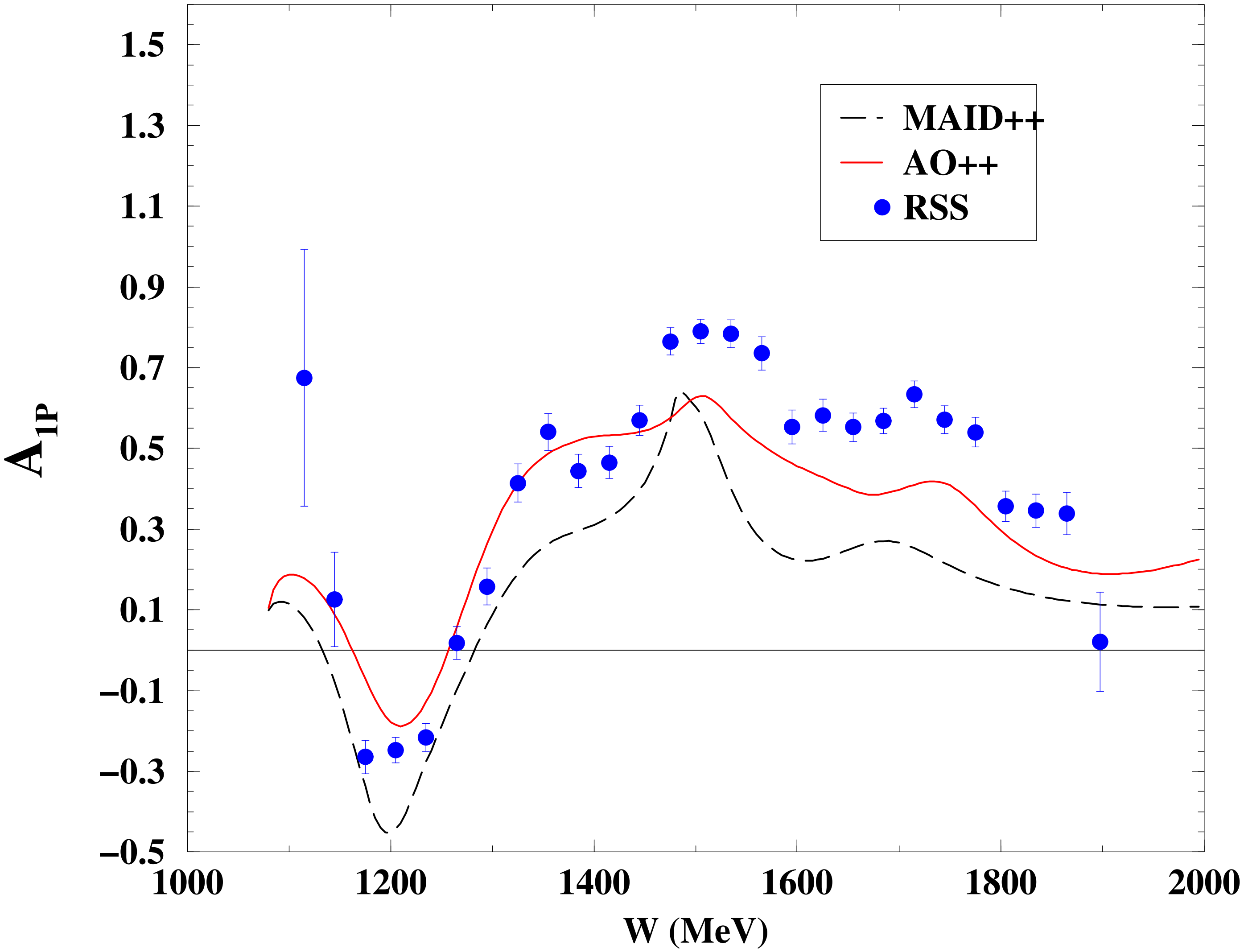
0.4
0.2
0
−0.2
1000
1200
1400
1600
1800
2000
W (MeV)
g1
g2
MAID
AO



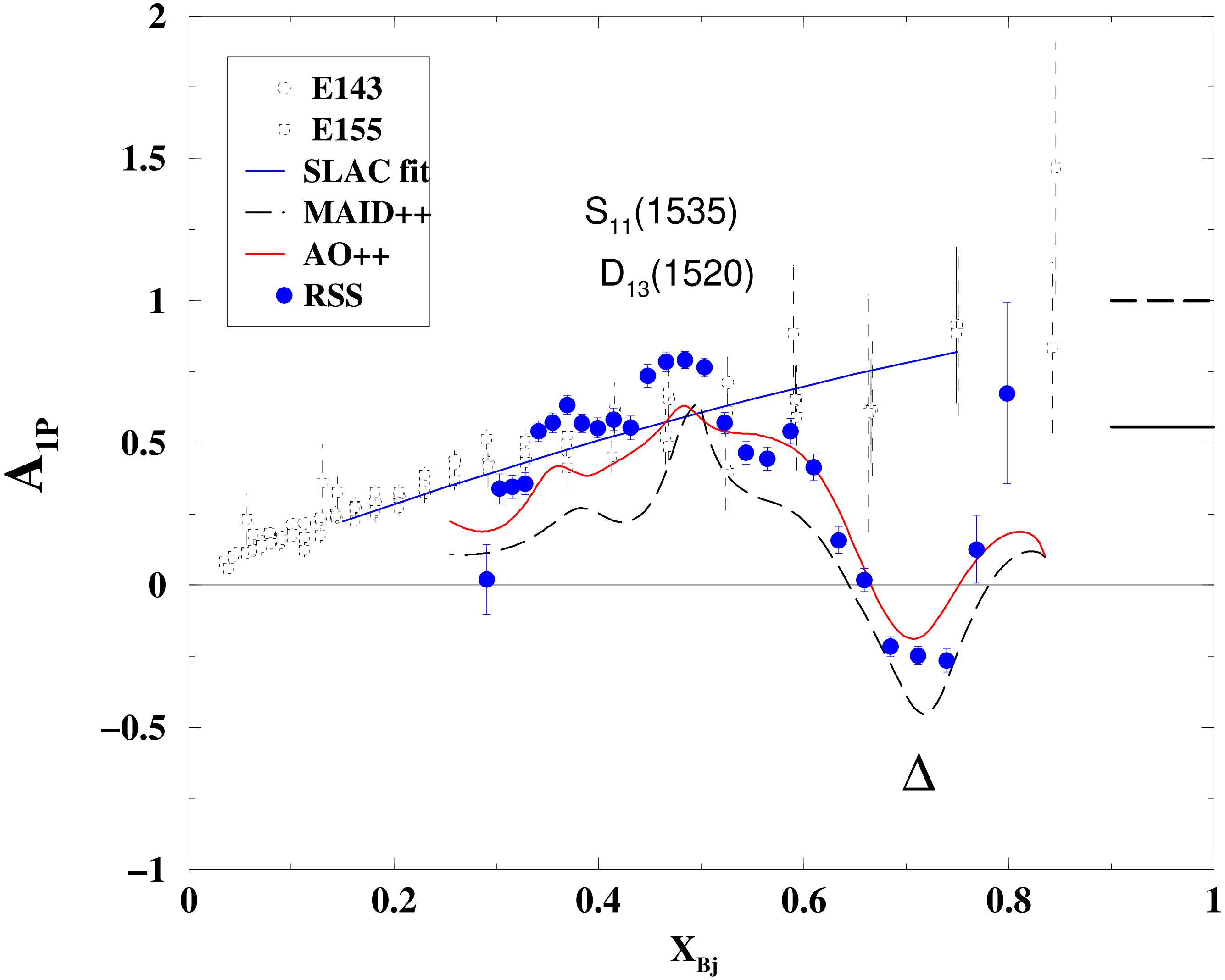
0.4
0.2
0
−0.2
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
X_{bj}
g_1
g_2
MAID
AO



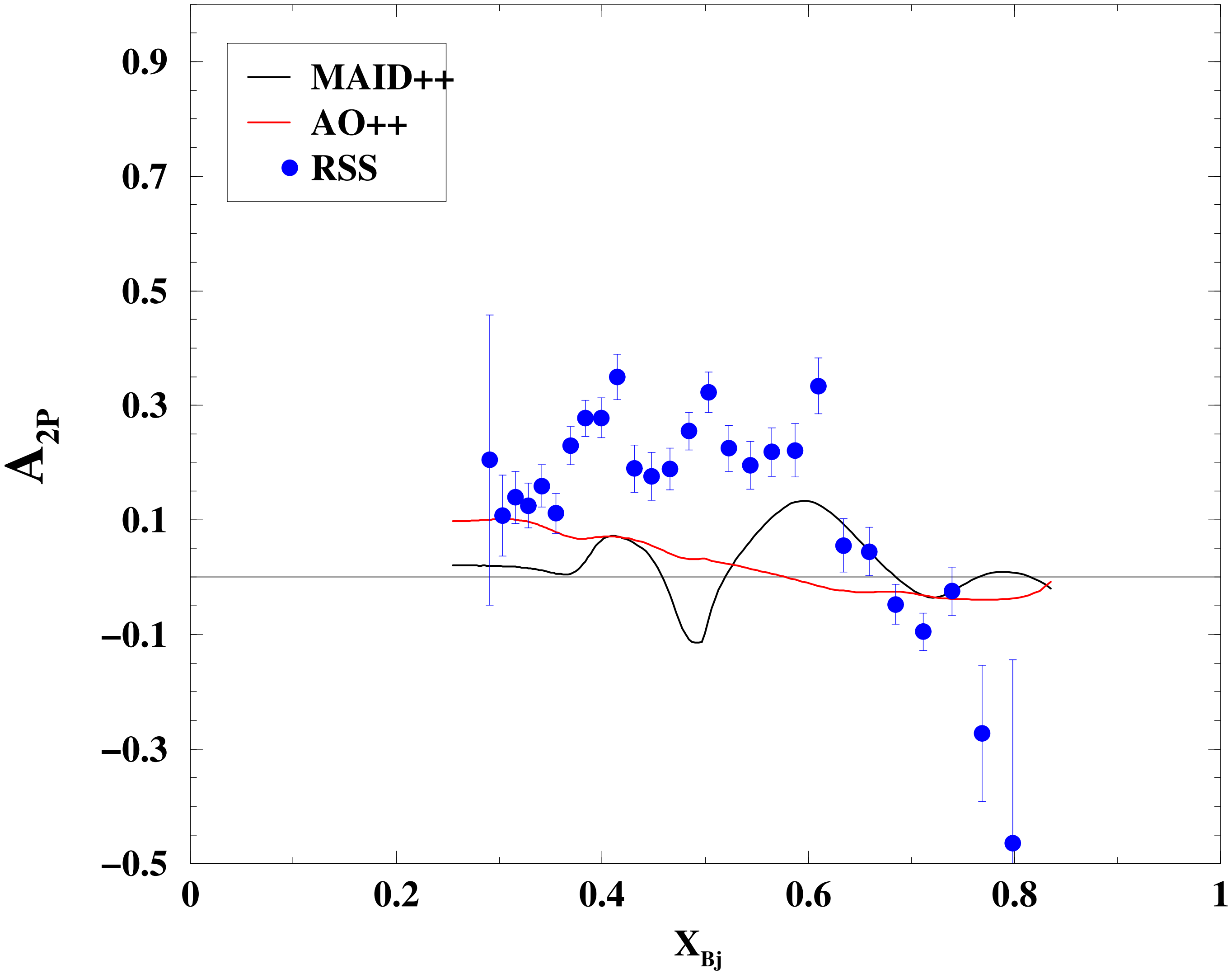
0.4
0.2
0
−0.2
0.2
0.3
0.4
0.5
0.6
0.7
g_1
g_2
MAID
AO
$\zeta = 2x\,[\,1 + (\,1{+}Q^2/\nu^2\,)\,]$



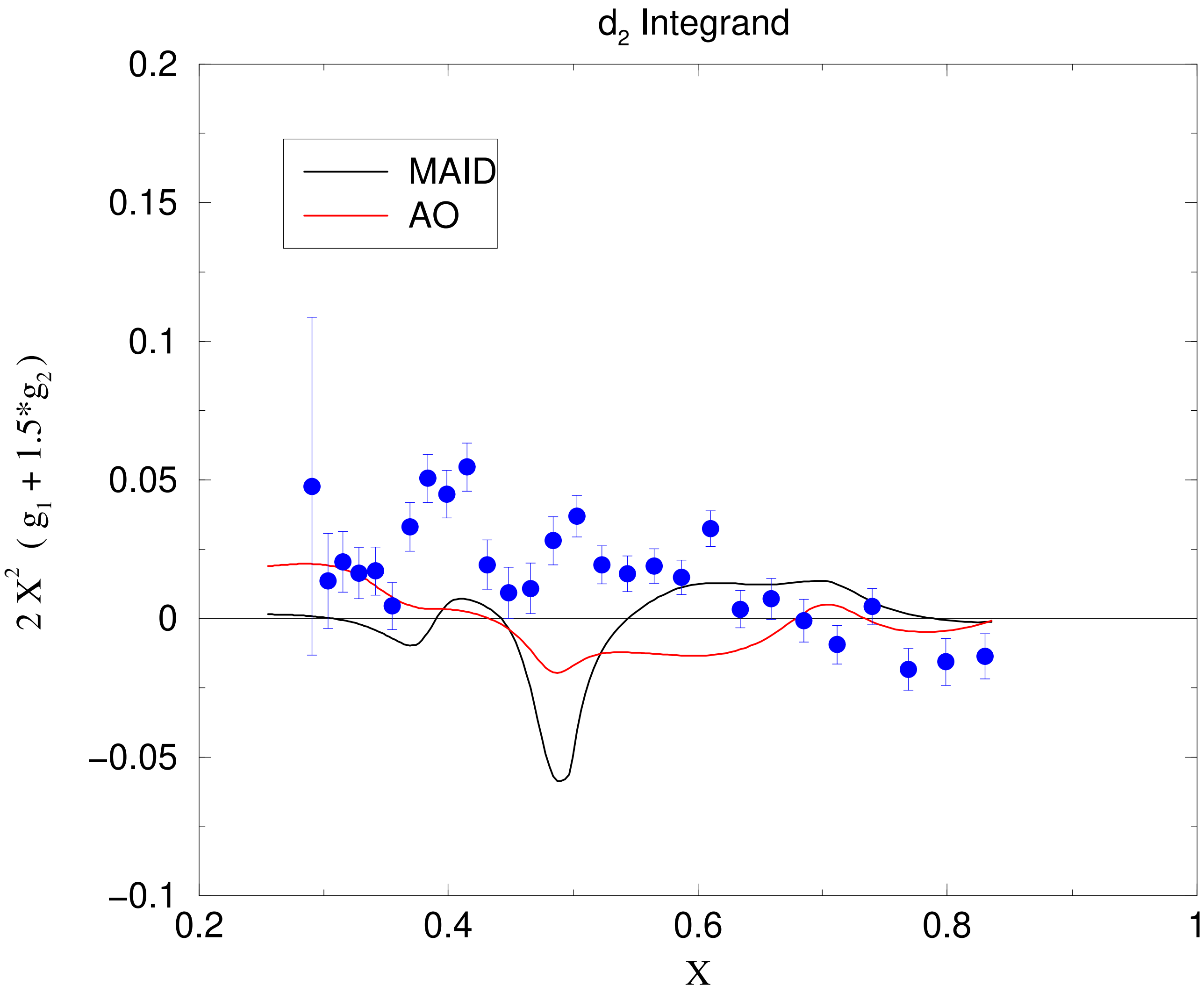
MAID++
AO++
RSS
A_{1P}
W (MeV)
1.5
1.3
1.1
0.9
0.7
0.5
0.3
0.1
−0.1
−0.3
−0.5
1000
1200
1400
1600
1800
2000



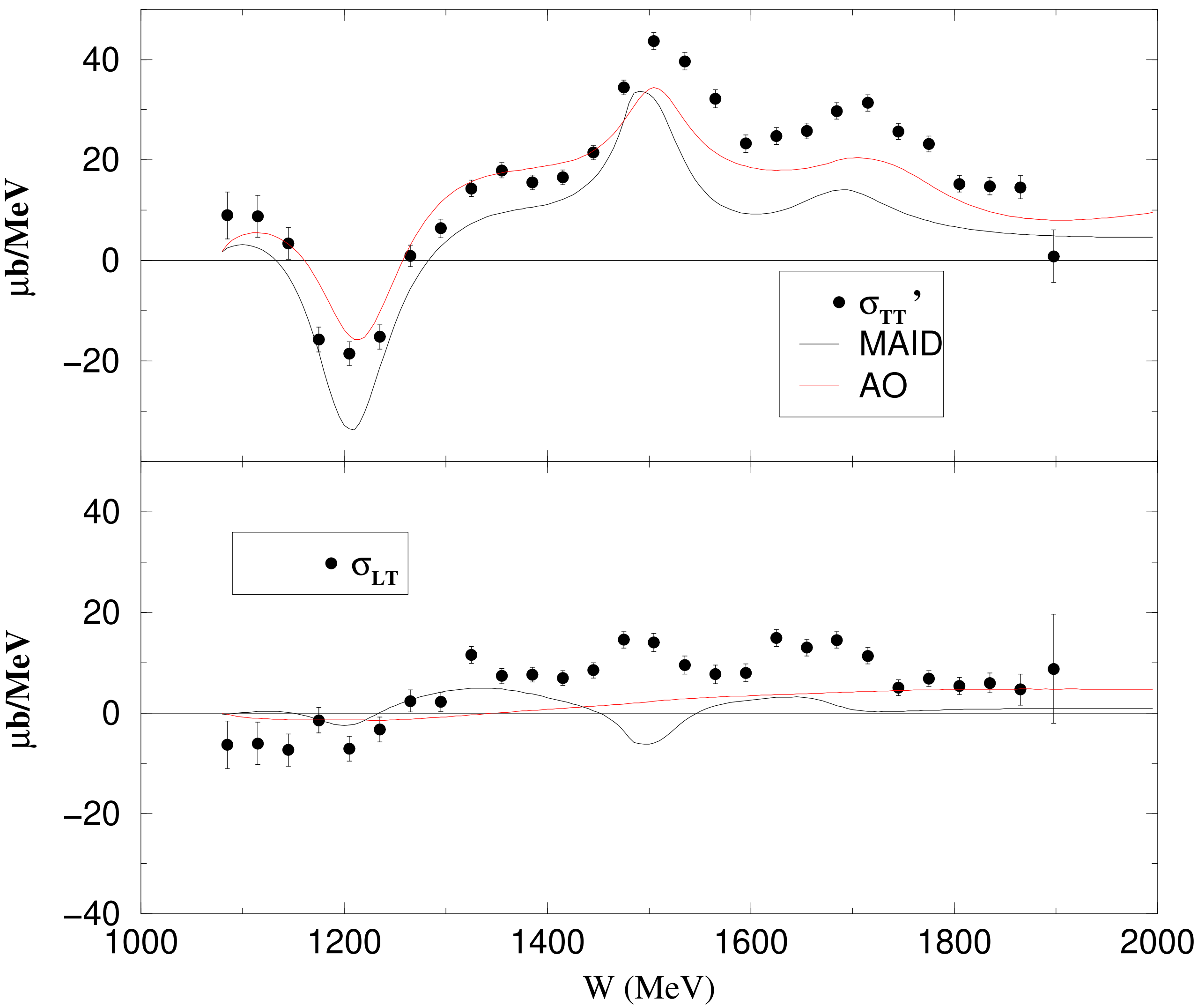
E143
E155
SLAC fit
MAID++
AO++
RSS
S11(1535)
D13(1520)
Δ
A1P
XBj
2
1.5
1
0.5
0
−0.5
−1
0
0.2
0.4
0.6
0.8
1



MAID++
AO++
RSS
0.9
0.7
0.5
0.3
0.1
−0.1
−0.3
−0.5
A_{2P}
0
0.2
0.4
0.6
0.8
1
X_{Bj}



d2 Integrand
MAID
AO
2 X² (g1 + 1.5*g2)
X
0.2
0.15
0.1
0.05
0
−0.05
−0.1
0.2
0.4
0.6
0.8
1



40
20
0
−20
μb/MeV
σTT'
MAID
AO
σLT
−40
1000
1200
1400
1600
1800
2000
W (MeV)