RSS Proton Physics Quantities

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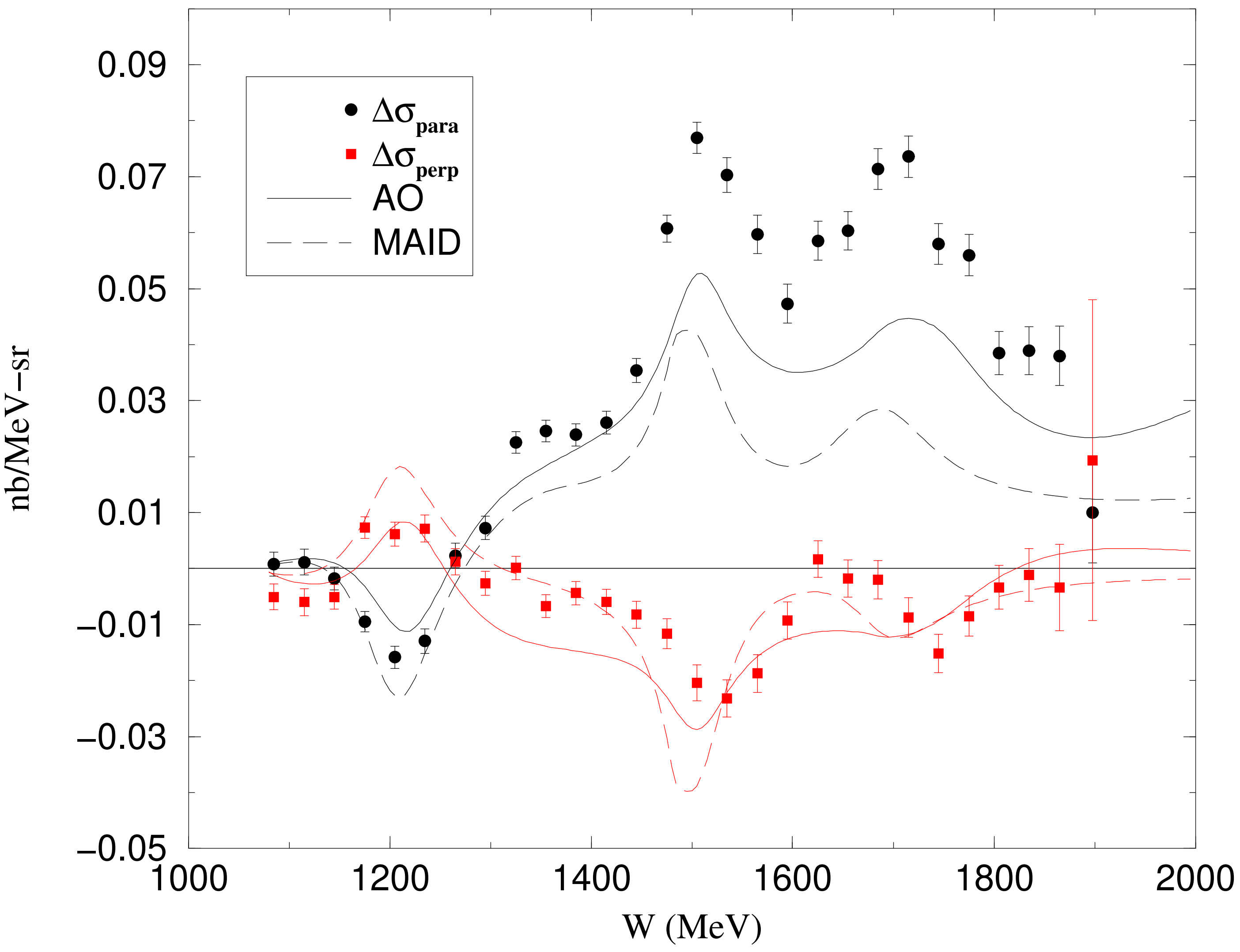
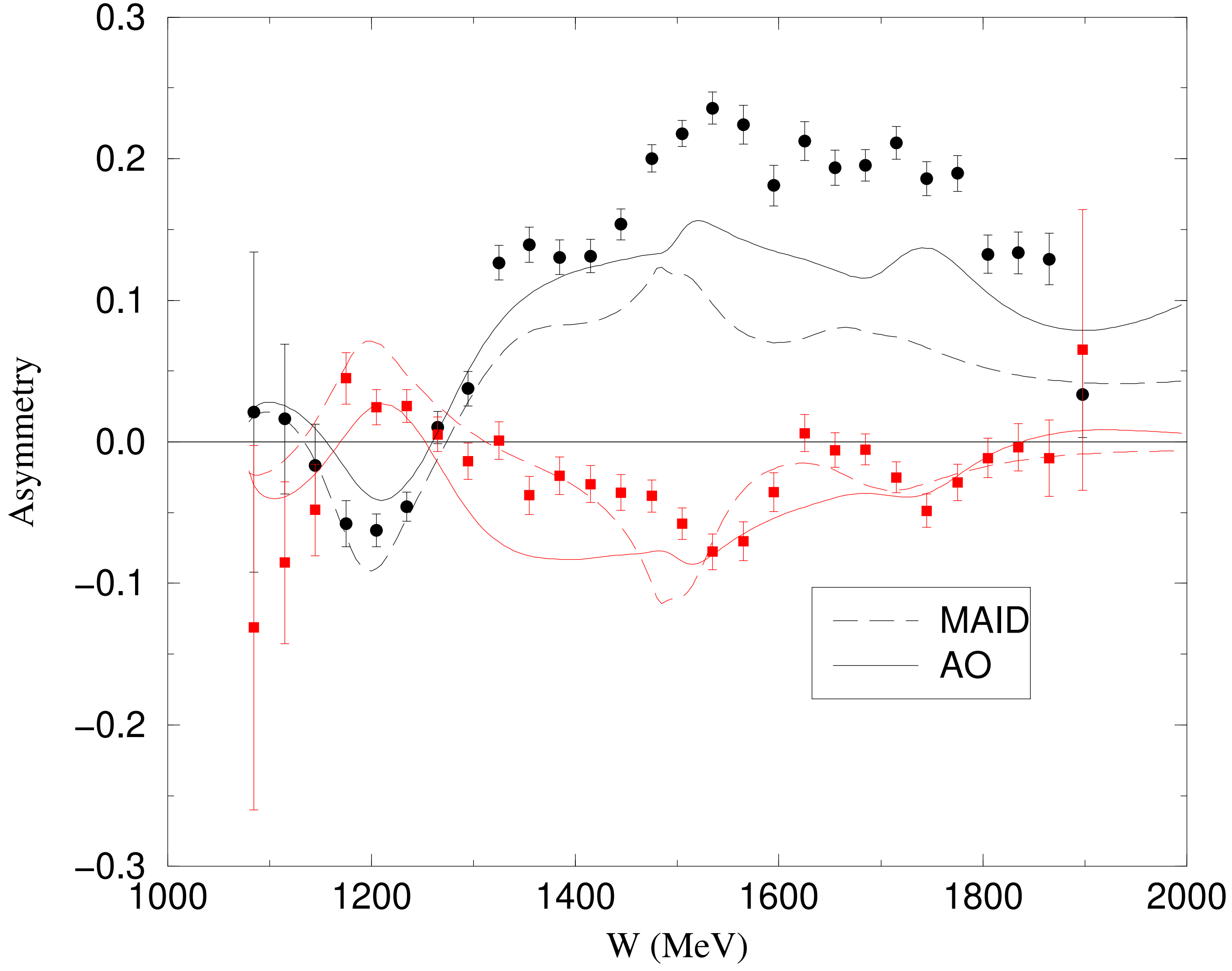
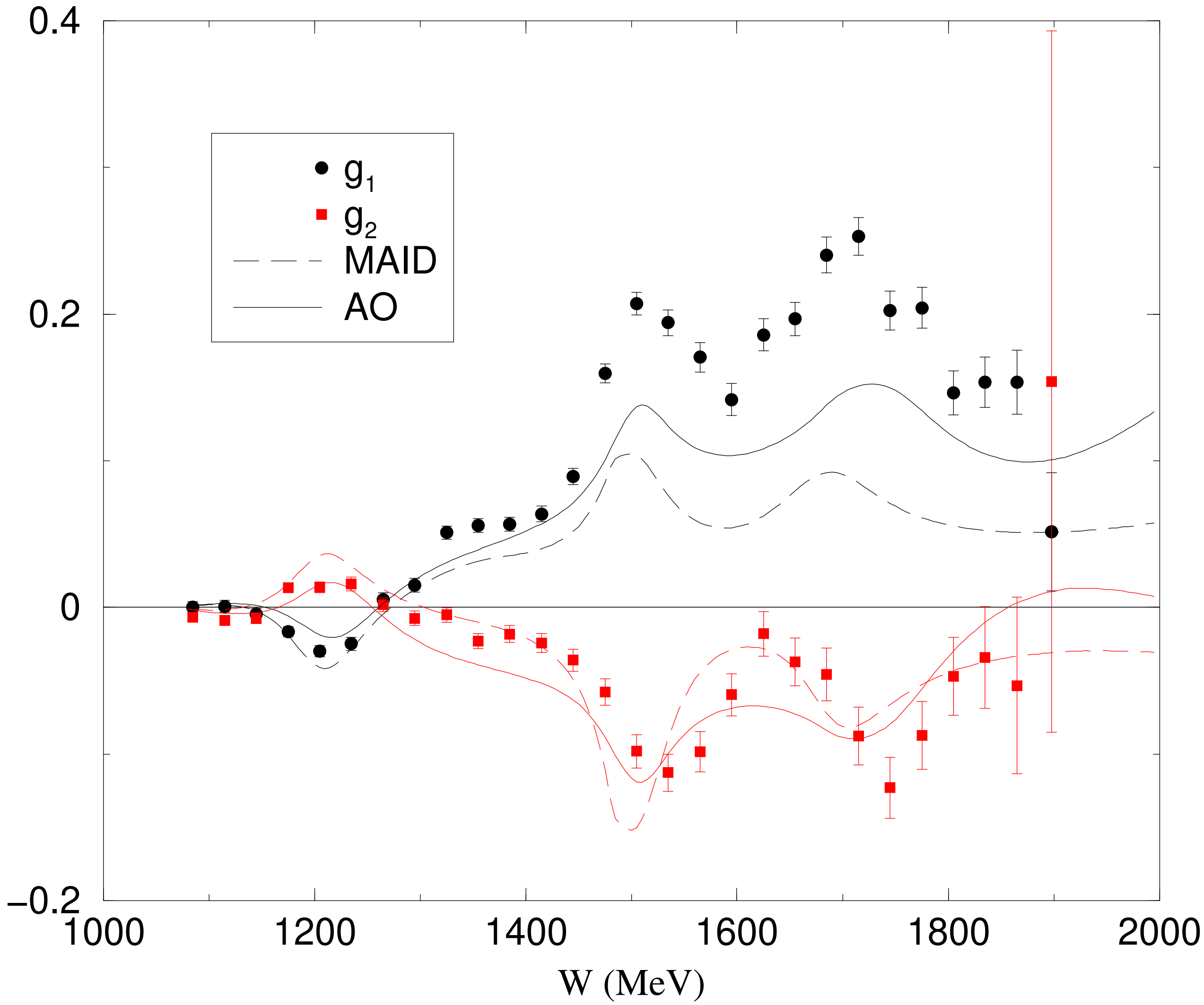
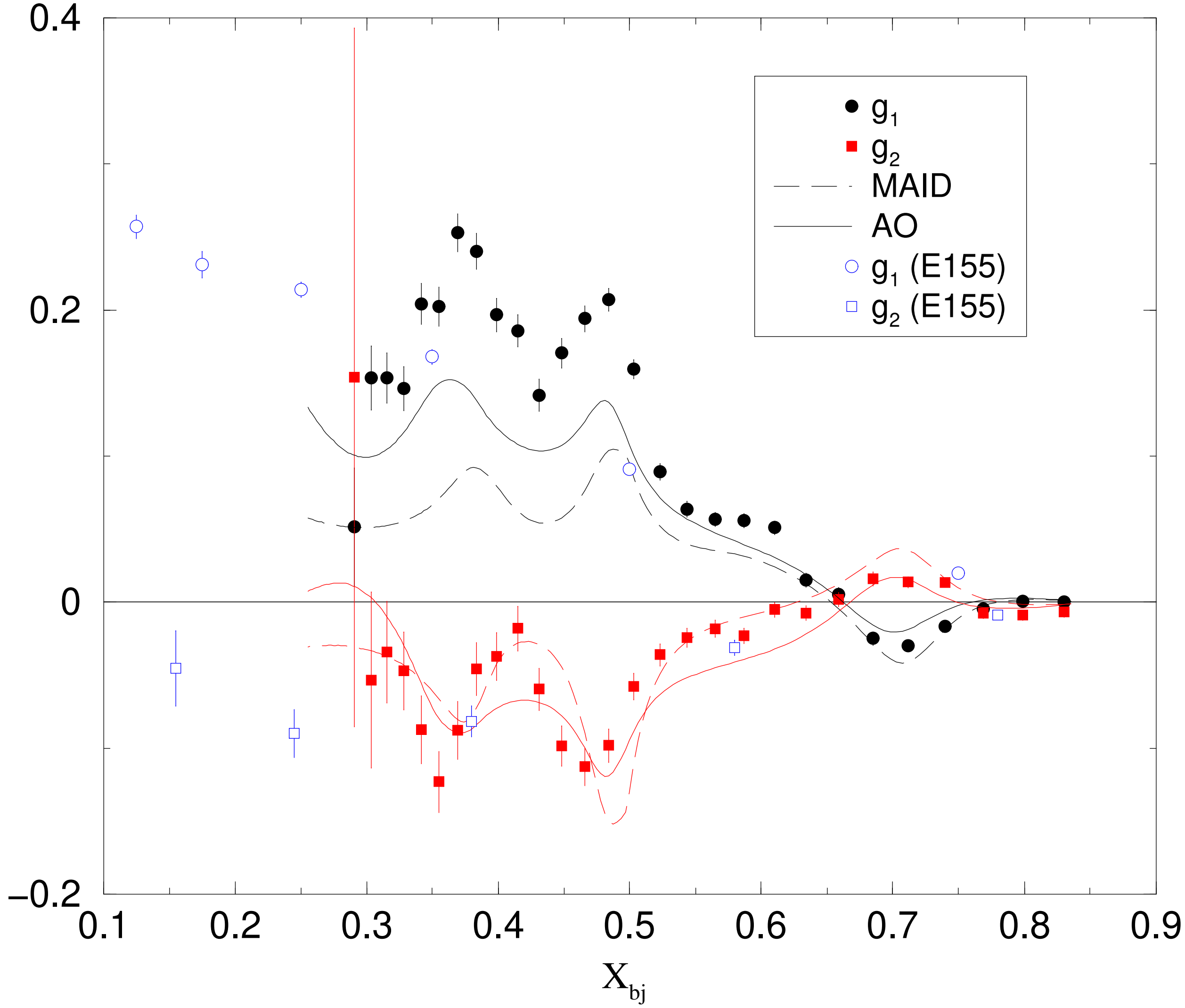


$\Delta\sigma_{para}$
$\Delta\sigma_{perp}$
AO
MAID
nb/MeV−sr
W (MeV)
0.09
0.07
0.05
0.03
0.01
−0.01
−0.03
−0.05
1000
1200
1400
1600
1800
2000

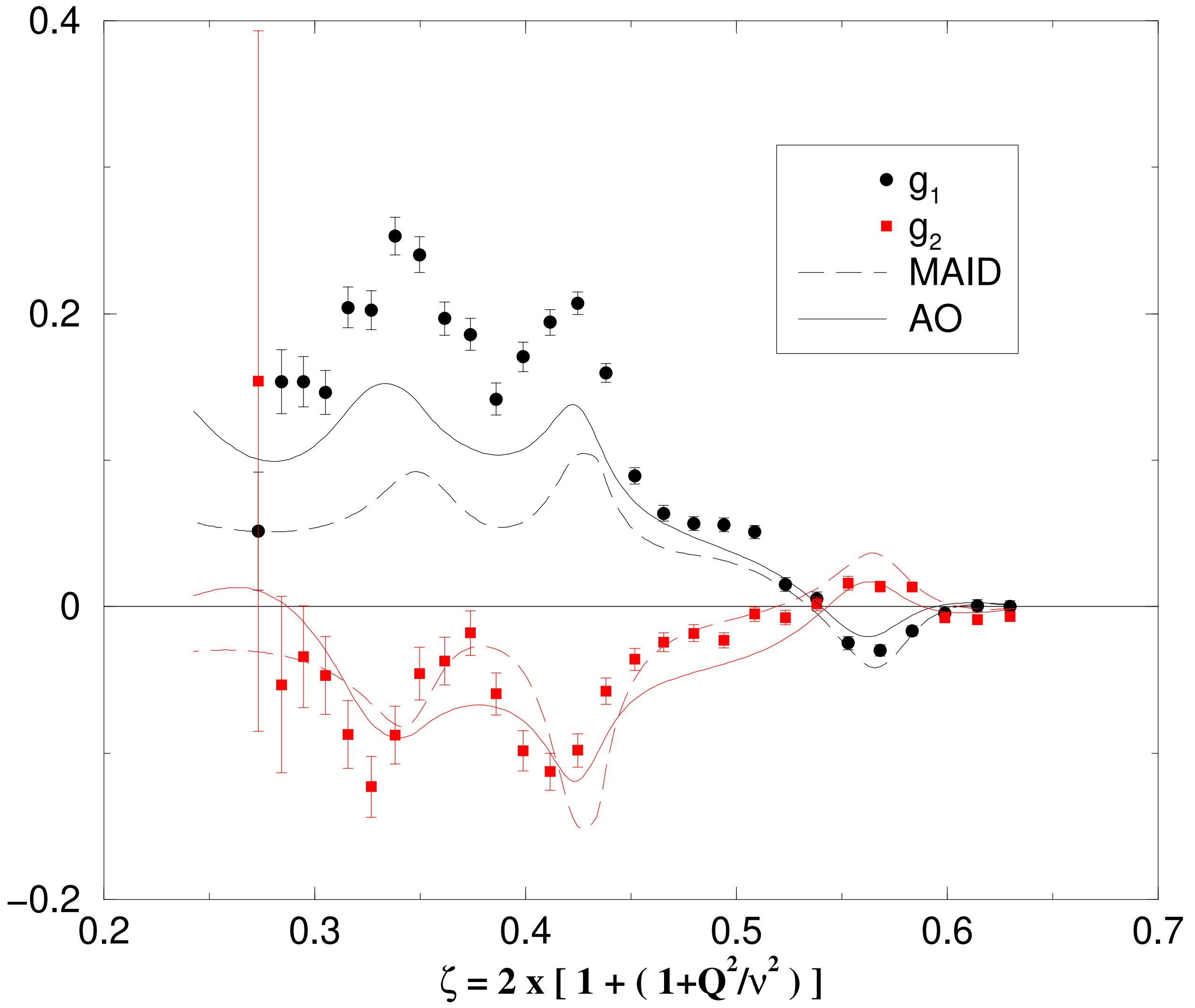


0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
Asymmetry
1000
1200
1400
1600
1800
2000
W (MeV)
MAID
AO

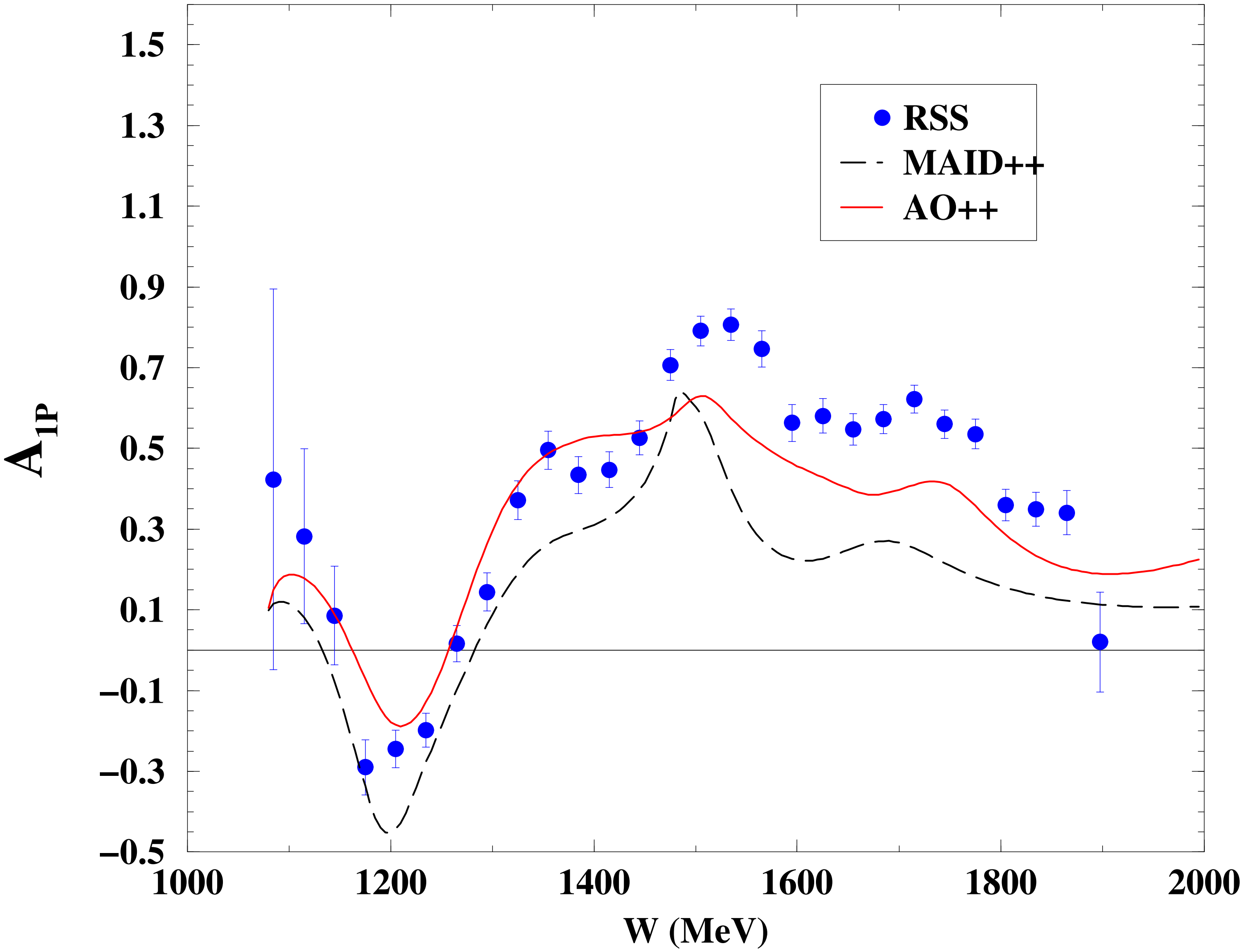

0.4
0.2
0
−0.2
1000
1200
1400
1600
1800
2000
W (MeV)
g1
g2
MAID
AO



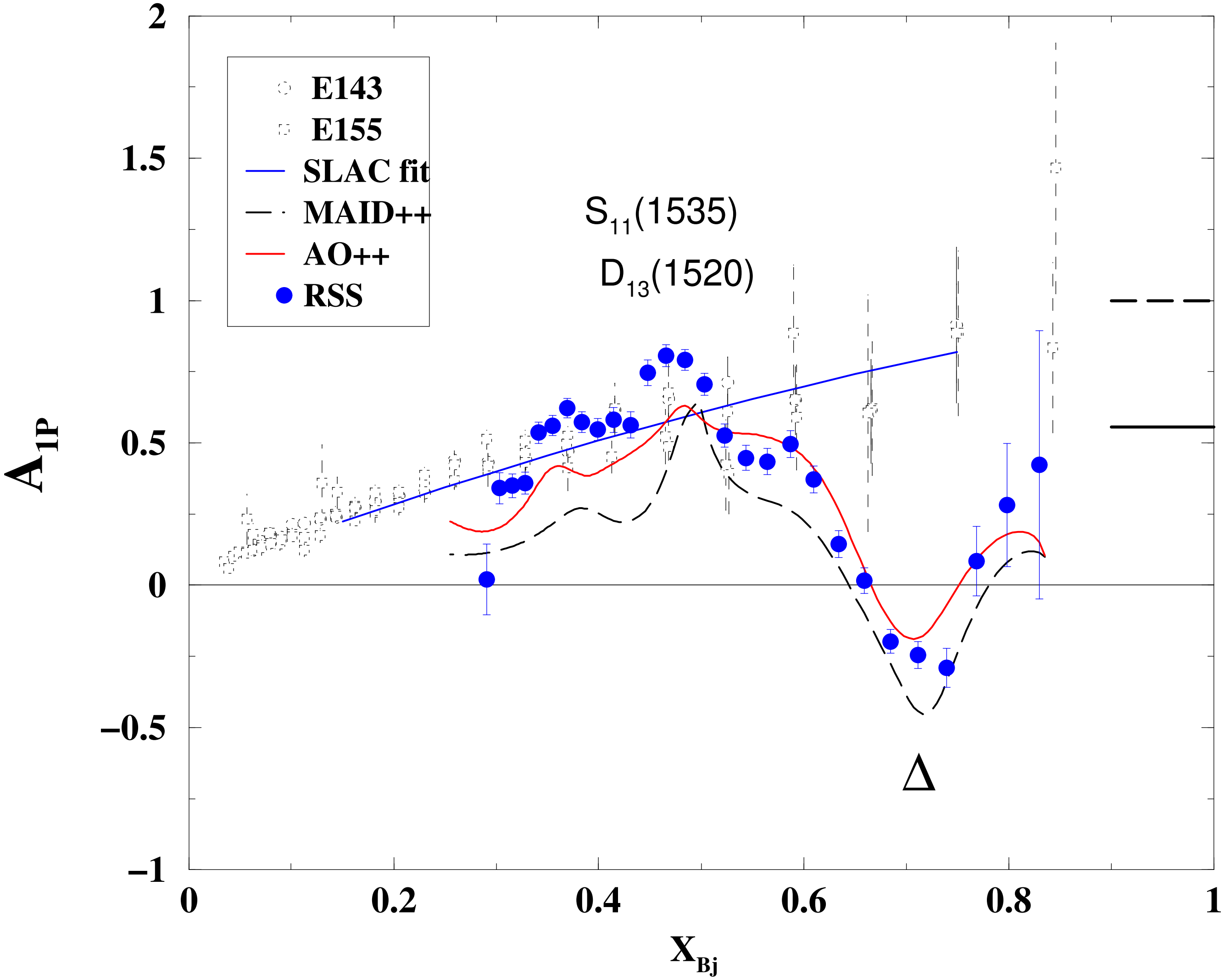
0.4
0.2
0
−0.2
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
X_{bj}
g_1
g_2
MAID
AO
g_1 (E155)
g_2 (E155)



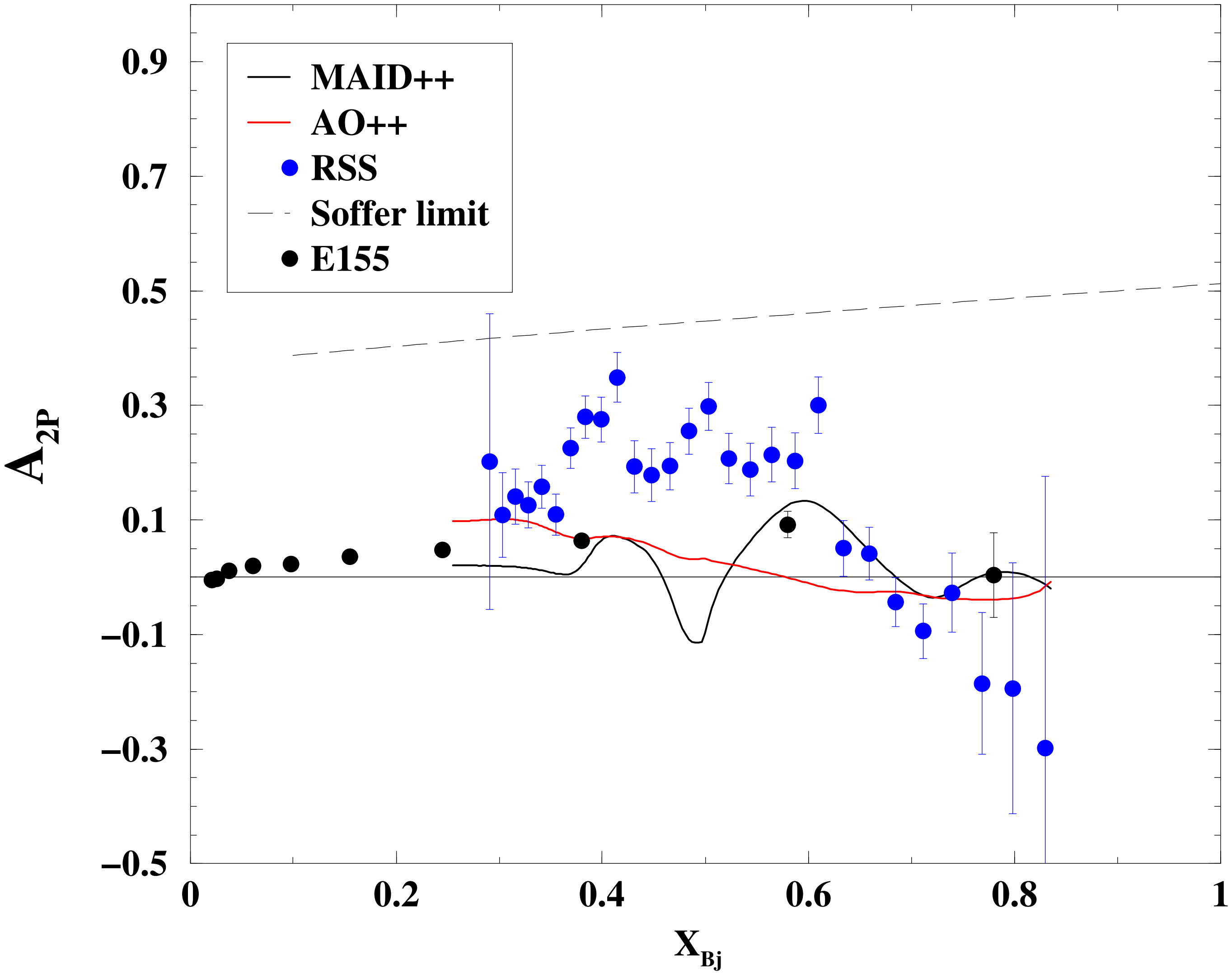
0.4
0.2
0
−0.2
0.2
0.3
0.4
0.5
0.6
0.7
g1
g2
MAID
AO
ζ = 2 x [1 + (1+Q²/ν²)]

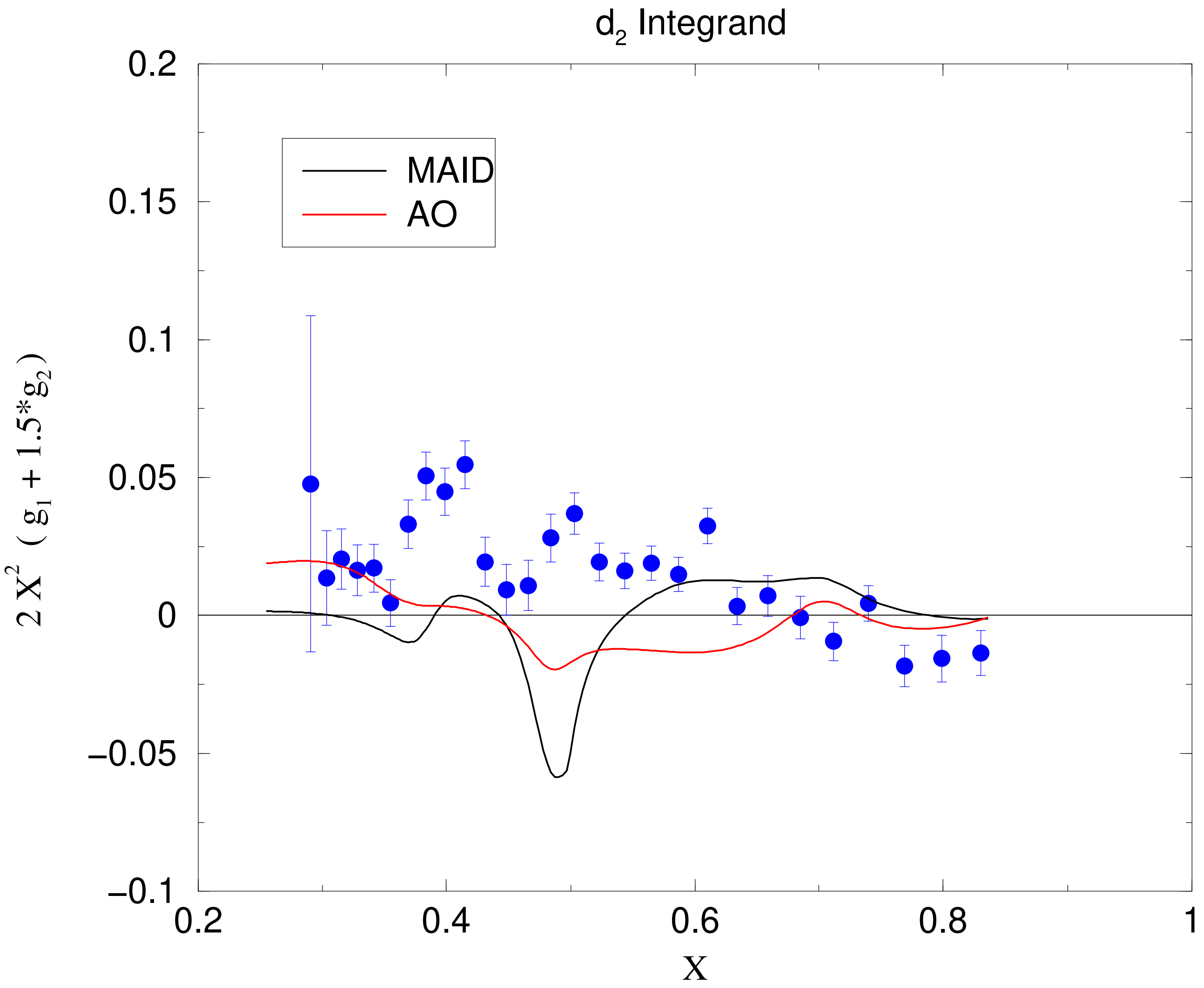


RSS
MAID++
AO++
A_{1P}
W (MeV)
1.5
1.3
1.1
0.9
0.7
0.5
0.3
0.1
−0.1
−0.3
−0.5
1000
1200
1400
1600
1800
2000

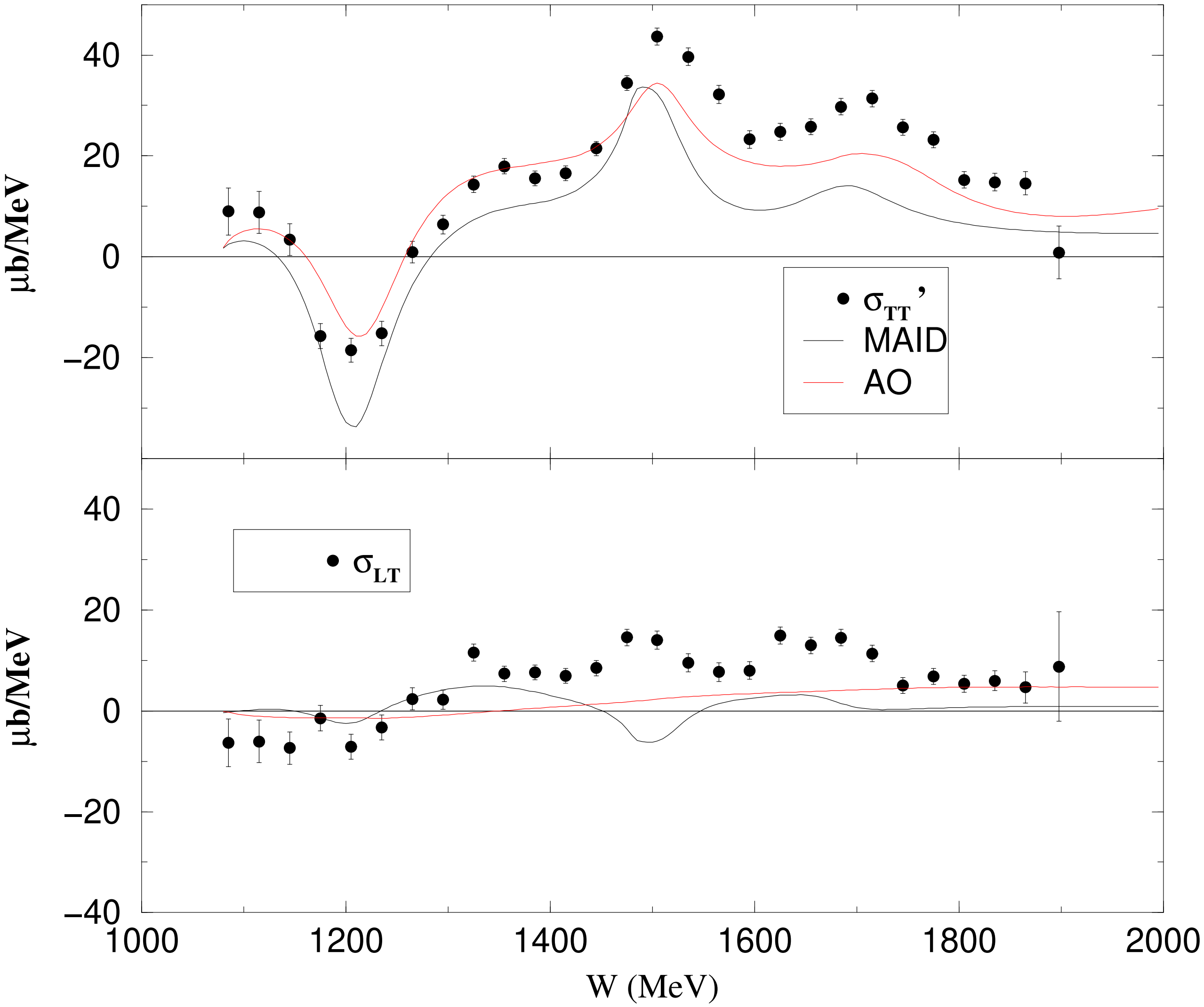


E143
E155
SLAC fit
MAID++
AO++
RSS
$S_{11}(1535)$
$D_{13}(1520)$
Δ
A_{1P}
X_{Bj}
2
1.5
1
0.5
0
−0.5
−1
0
0.2
0.4
0.6
0.8
1


MAID++
AO++
RSS
Soffer limit
E155
0.9
0.7
0.5
0.3
0.1
−0.1
−0.3
−0.5
0
0.2
0.4
0.6
0.8
1
A2P
XBj



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)