

Figure 1: s- and p-wave multipoles

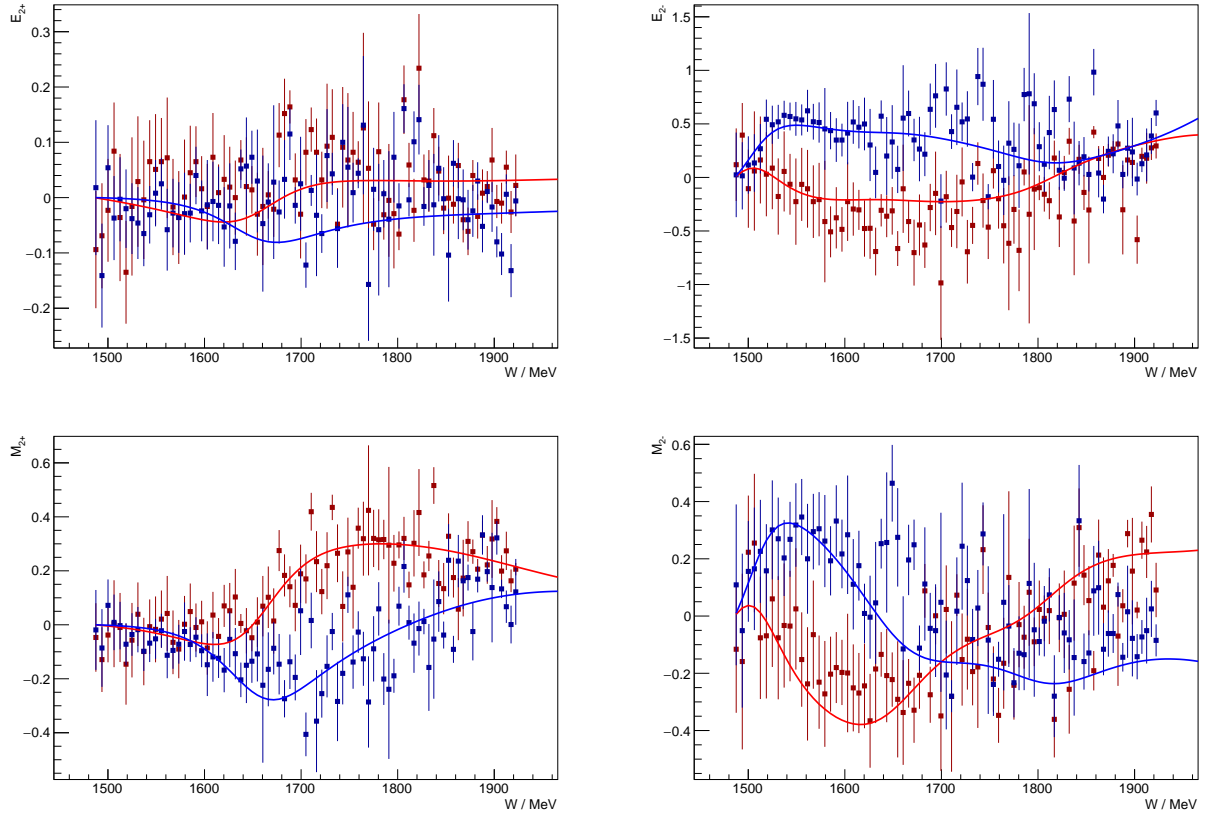


Figure 2: d-wave multipoles

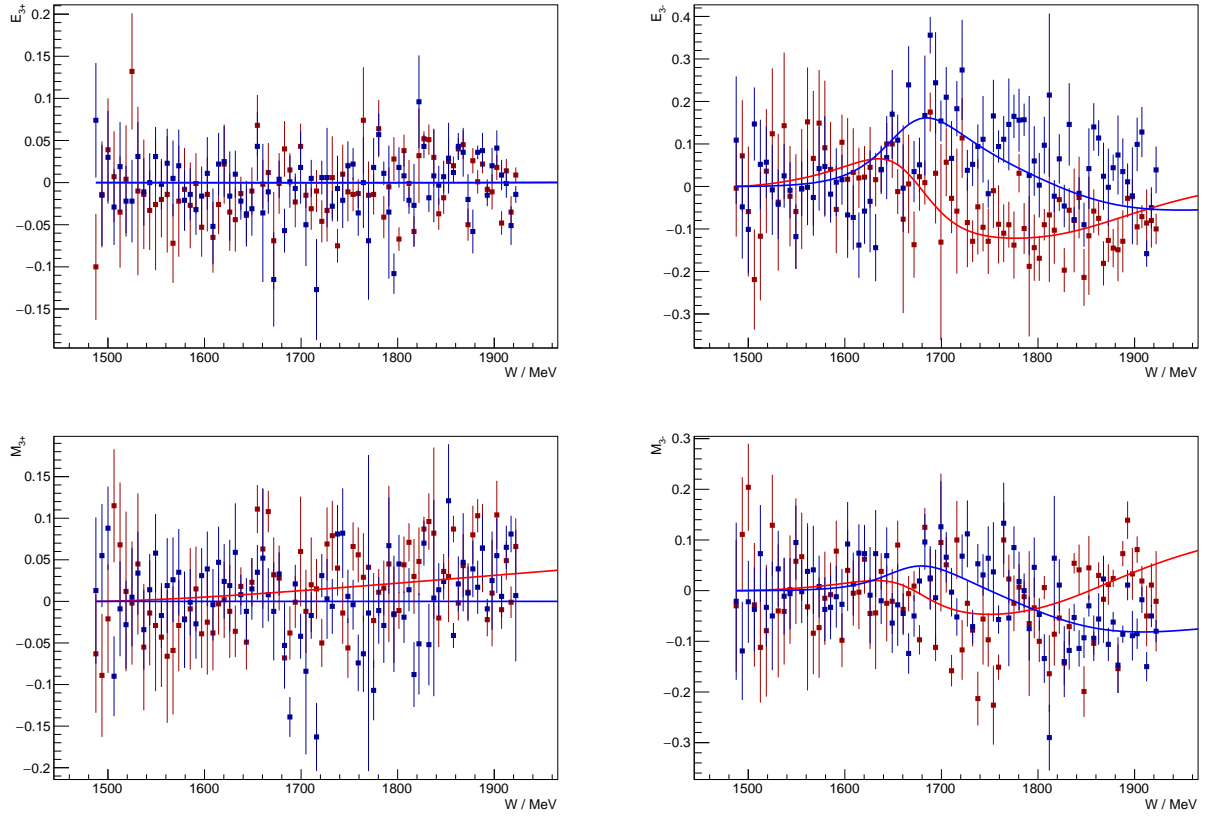


Figure 3: f-wave multipoles

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PWA.cfg          Sun May 03 18:07:07 2015          1

L_MAX            5

#MODEL = 1, BORN = 2, NONRES = 3
D_WAVES          1

FIX_E0P          1
FIX_E1P          0
FIX_M1P          0
FIX_M1M          0

FIX_E2P          0
FIX_E2M          0
FIX_M2P          0
FIX_M2M          0

FIX_E3P          0
FIX_E3M          0
FIX_M3P          0
FIX_M3M          0

FIX_E4P          0
FIX_E4M          0
FIX_M4P          0
FIX_M4M          0

FIX_E5P          0
FIX_E5M          0
FIX_M5P          0
FIX_M5M          0

FIX_E0P_PHASE    1
FIX_E1P_PHASE    0
FIX_M1P_PHASE    0
FIX_M1M_PHASE    0

FIX_E2P_PHASE    0
FIX_E2M_PHASE    0
FIX_M2P_PHASE    0
FIX_M2M_PHASE    0

FIX_E3P_PHASE    0
FIX_E3M_PHASE    0
FIX_M3P_PHASE    0
FIX_M3M_PHASE    0

FIX_E4P_PHASE    0
FIX_E4M_PHASE    0
FIX_M4P_PHASE    0
FIX_M4M_PHASE    0

FIX_E5P_PHASE    0
FIX_E5M_PHASE    0
FIX_M5P_PHASE    0
FIX_M5M_PHASE    0

FIX_SCALES        1
SCALING           0.1

FIX_RE_E0P        0
FIX_IM_E0P        0
ONLY_CROSS_S      0
ONLY_CROSS_F      0
SGT_ENERGIES      0
#Isospin symmetry = 3.43, Isospin breaking = 3.35
BETA              3.43

#CHI2ONLY = 1, CHI2PENALTY = 2, ADAPTIVE = 3
ERROR_MODE        3

```

```
#NONE = 0, MLP1 = 1, MLP2 = 2, MLP3 = 3, CGLN = 4, HELI = 5, INVA = 6, INVB = 7
PENALTY_MODE      0
PENALTY_MLP1      2.0
PENALTY_MLP2      2.0
WEIGHT_Y1         1.0
WEIGHT_Y2         1.0
WEIGHT_Y3         1.0
WEIGHT_Y4         1.0
WEIGHT_Y6         1.0
WEIGHT_Y8         1.0
PRINT_PENALTY     1

MIN_ENERGY        707.8
MAX_ENERGY        1500.0

MASS_MESON        547.8530
MASS_INITIAL      938.2720
MASS_FINAL        938.2720

ITERATIONS        1
SOLUTIONS         1
VARIATION_REL     0.500
VARIATION_ABS     0.000

USE_PRELIMINARY   1

SG0_FILE   data/sg0.txt 1.0   1.0
S_FILE     data/Sigma.dat 1.0   1.0
T_FILE     data/T.dat   1.0   1.0
F_FILE     data/F.dat   1.0   1.0

MODEL_PATH model

#EOF
```