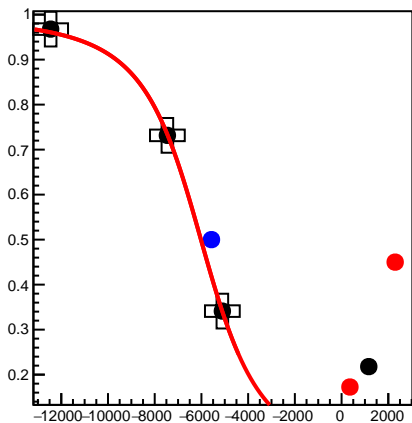
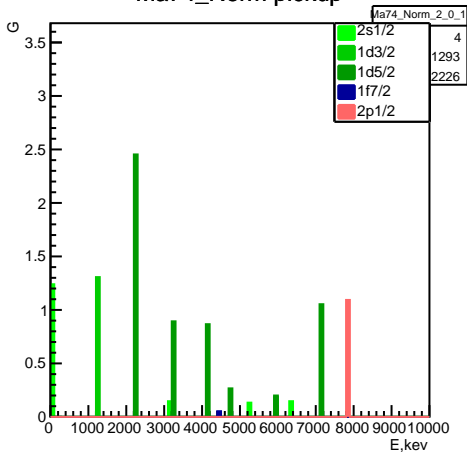
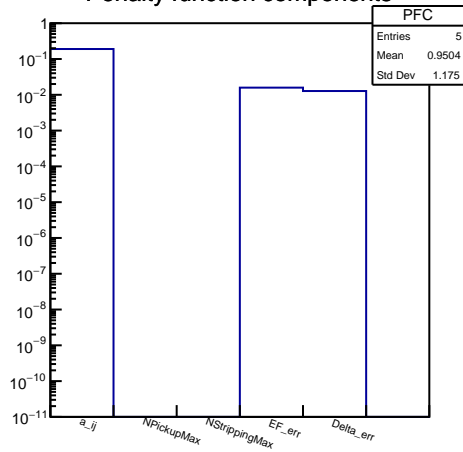


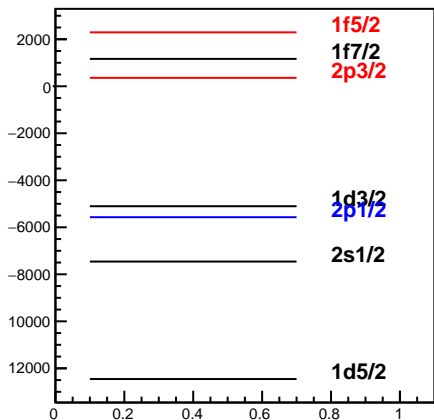
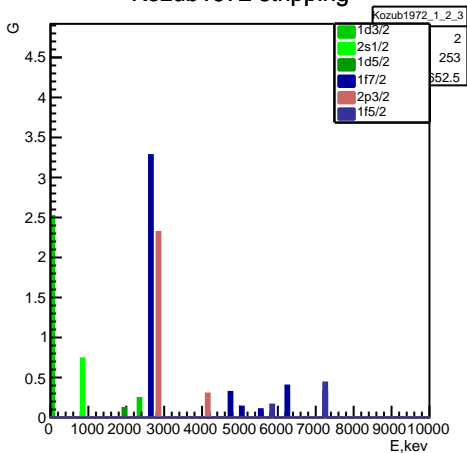
Ma74_Norm pickup



Penalty function components



Kozub1972 stripping



Experiment: Ma74_Norm (14) Kozub1972 (14)
proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6021.25 \pm 37.3266 keV

Δ : 2718.08 \pm 83.6194 keV

penalty: 0.0437393

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7457.39 2s1/2 0.731667 1.20333

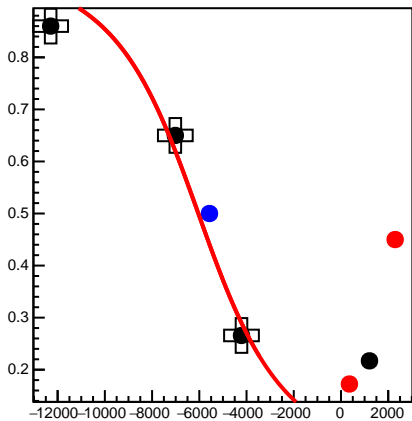
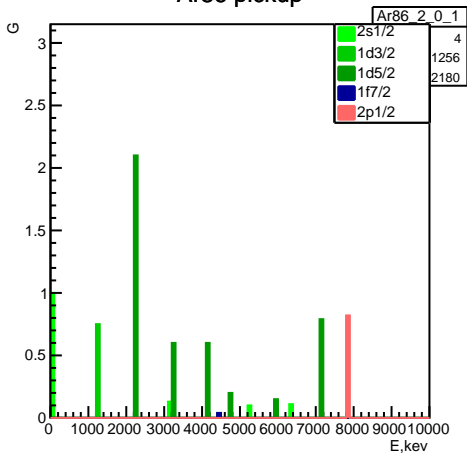
-5103.89 1d3/2 0.341167 1.06433

-12455 1d5/2 0.967778 0.975556

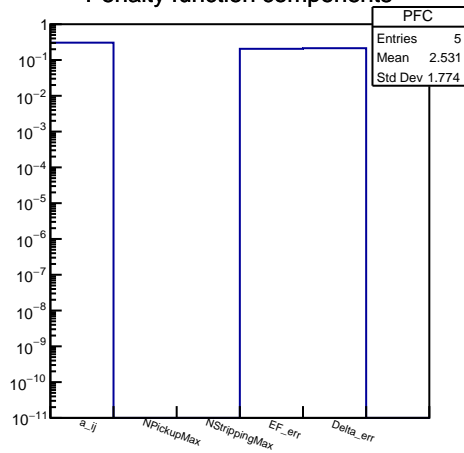
1164.29 1f7/2 0.217833 0.577667

-5570.33 2p1/2 0.5 1.09333

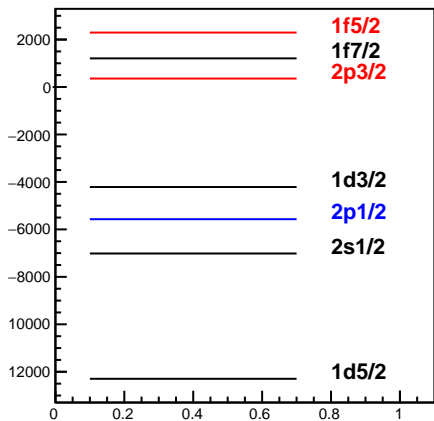
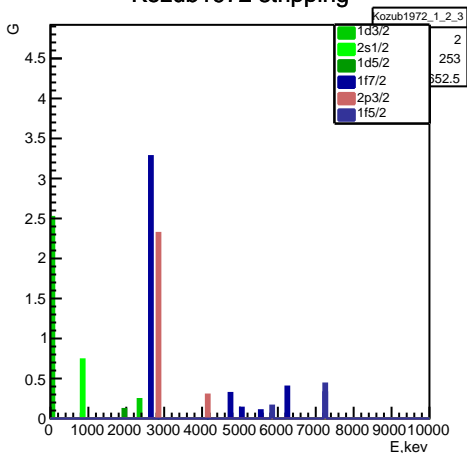
Ar86 pickup



Penalty function components



Kozub1972 stripping



Experiment: Ar86 (14) Kozub1972 (14)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6041.02 ± 483.741 keV

Δ: -3943.82 ± 1402.68 keV

penalty: 0.144827

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7015.55 2s1/2 0.65 1.04

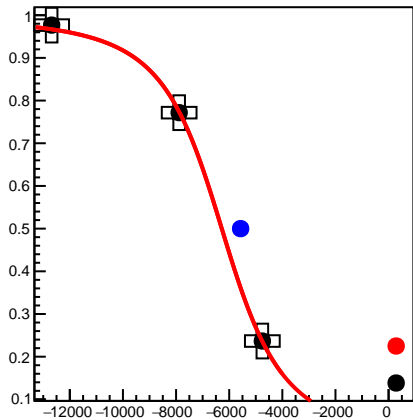
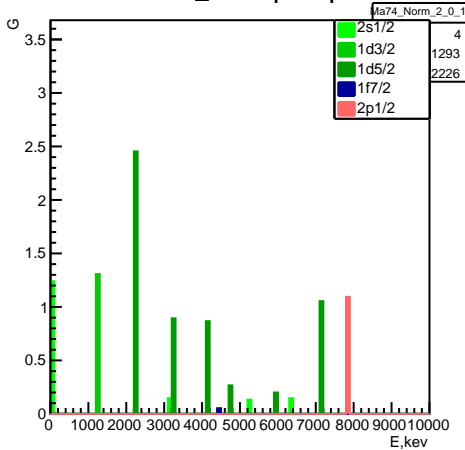
-4213.81 1d3/2 0.26575 0.9135

-12295.5 1d5/2 0.86 0.76

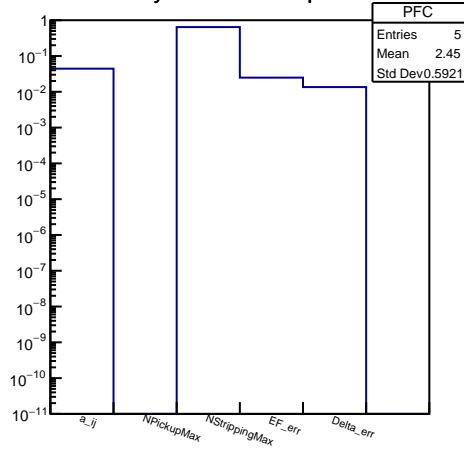
1206.13 1f7/2 0.217 0.576

-5570.33 2p1/2 0.5 0.82

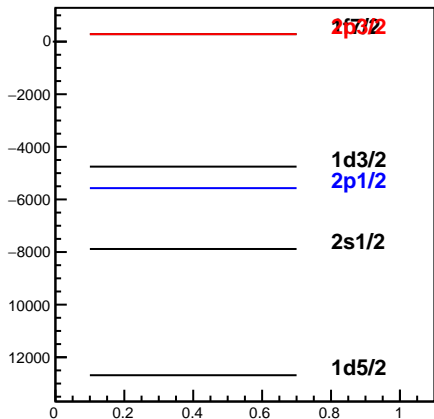
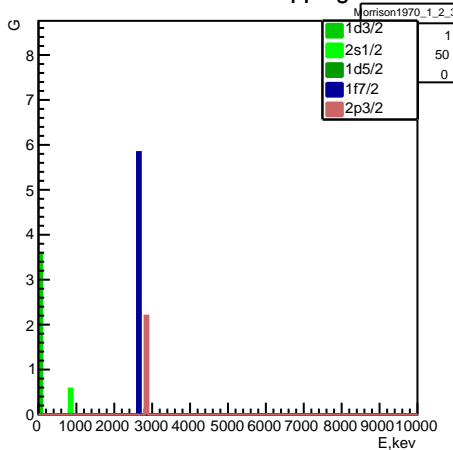
Ma74_Norm pickup



Penalty function components



Morrison1970 stripping



Experiment: Ma74_Norm (14) Morrison1970

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6279.44 \pm 58.5815 keV Δ : -2451.9 \pm 88.9301 keV

penalty: 0.145114

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7884.01 2s1/2 0.771667 1.12333

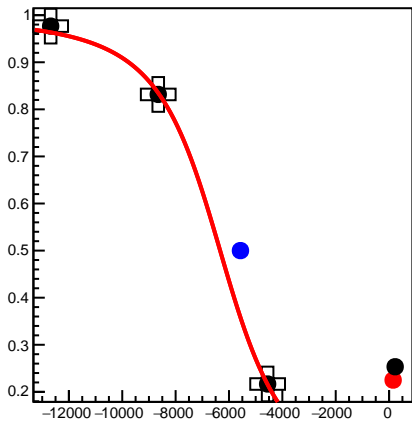
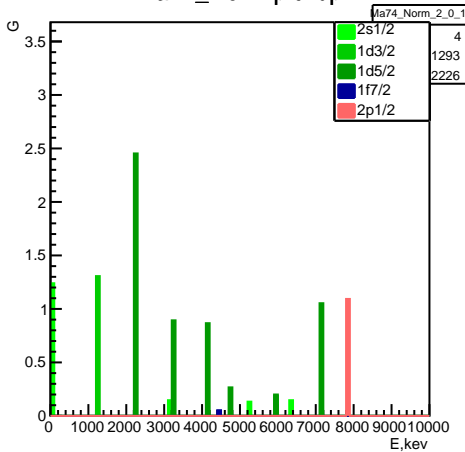
-4752.65 1d3/2 0.236667 1.27333

-12683.6 1d5/2 0.976778 0.957556

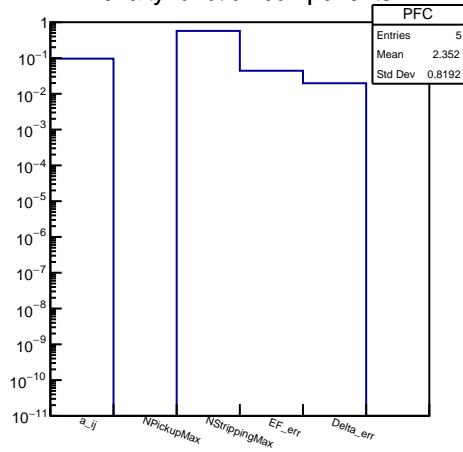
283.895 1f7/2 0.138333 0.736667

-5570.33 2p1/2 0.5 1.09333

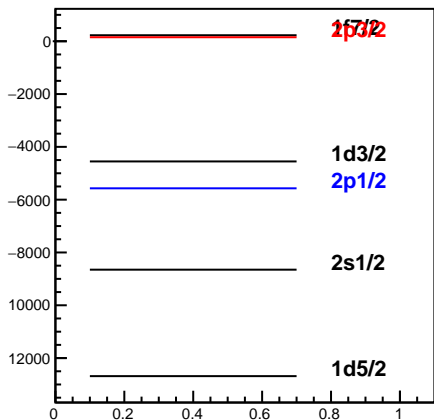
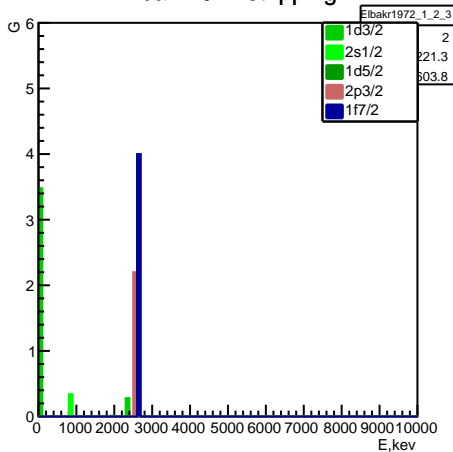
Ma74_Norm pickup



Penalty function components



Elbakr1972 stripping



Experiment: Ma74_Norm (14) Elbakr1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6332.08 \pm 103.739 keV Δ : 2572.92 \pm 129.361 keV

penalty: 0.146227

SPE, keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8651.5 2s1/2 0.831667 1.00333

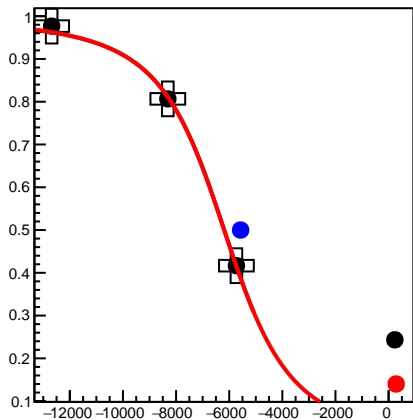
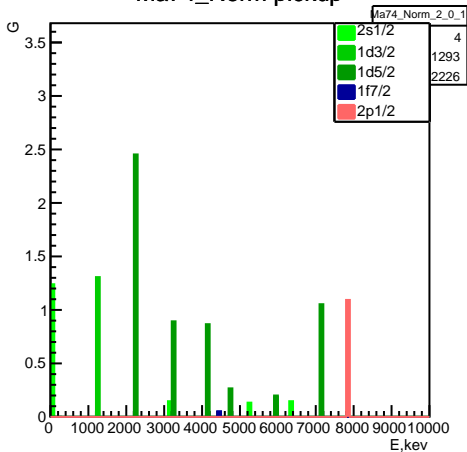
-4551.9 1d3/2 0.216667 1.31333

-12683.6 1d5/2 0.976778 0.957556

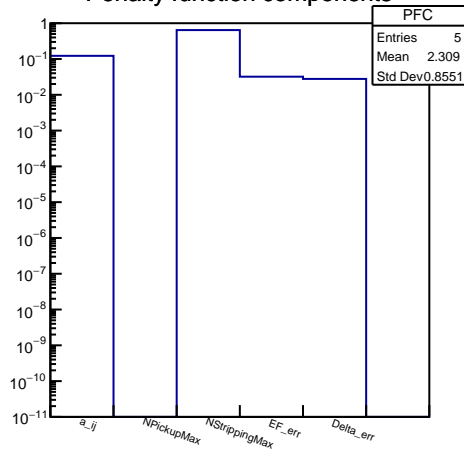
227.604 1f7/2 0.253333 0.506667

-5570.33 2p1/2 0.5 1.09333

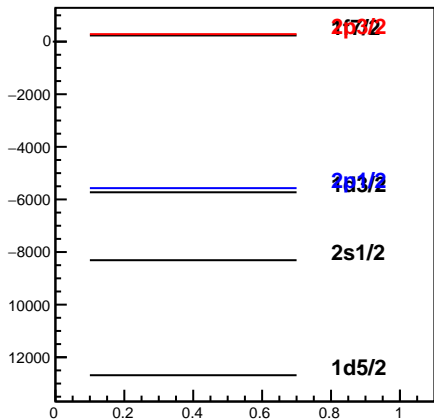
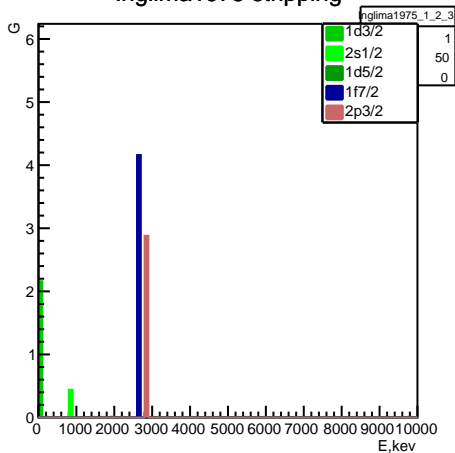
Ma74_Norm pickup



Penalty function components



Inglima1975 stripping



Experiment: Ma74_Norm (14) Inglima1975 (5)
proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6188.34 \pm 75.5135 keV

Δ : -2671.76 \pm 182.227 keV

penalty: 0.165061

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8310.46 2s1/2 0.806667 1.05333

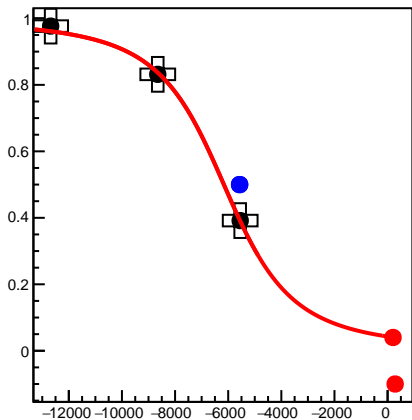
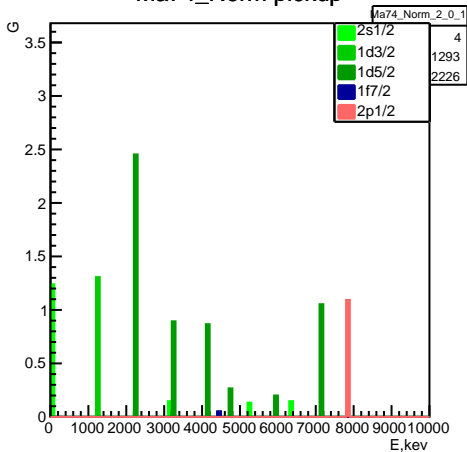
-5728.25 1d3/2 0.416667 0.913333

-12683.6 1d5/2 0.976778 0.957556

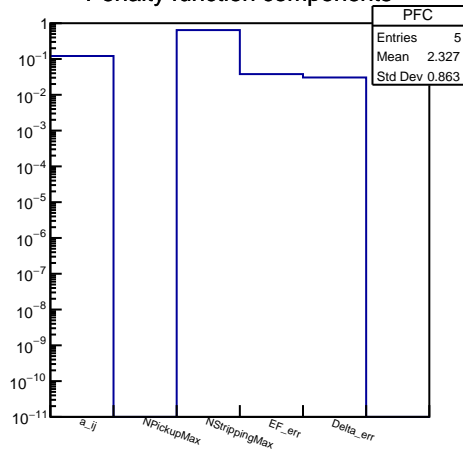
234.451 1f7/2 0.243333 0.526667

-5570.33 2p1/2 0.5 1.09333

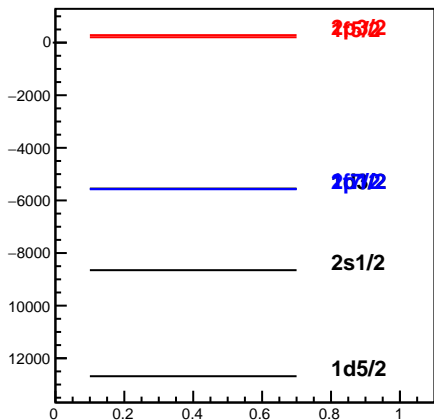
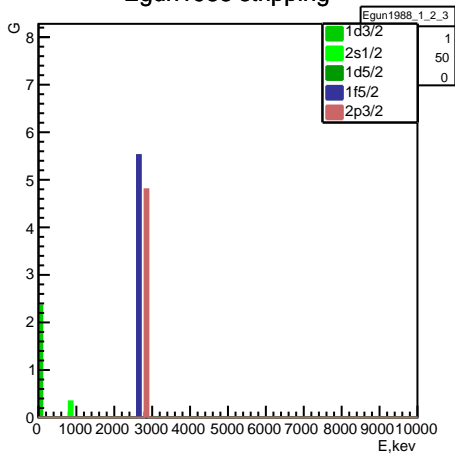
Ma74_Norm pickup



Penalty function components



Egun1988 stripping



Experiment: Ma74_Norm (14) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6162.67 \pm 89.1745 keV Δ : 2731.06 \pm 199.901 keV

penalty: 0.166494

SPE,kev nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8651.5 2s1/2 0.831667 1.00333

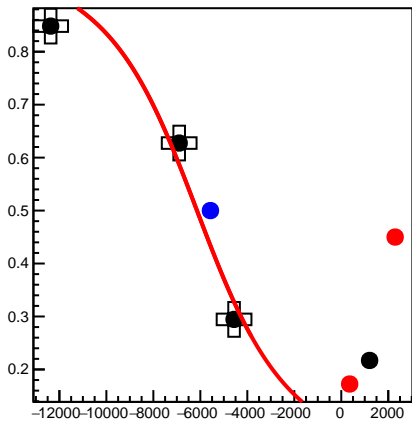
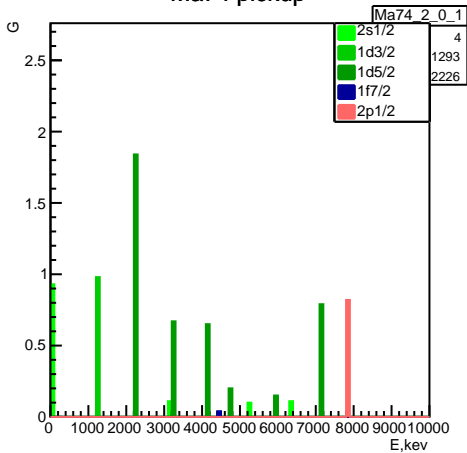
-5549.15 1d3/2 0.391667 0.963333

-12683.6 1d5/2 0.976778 0.957556

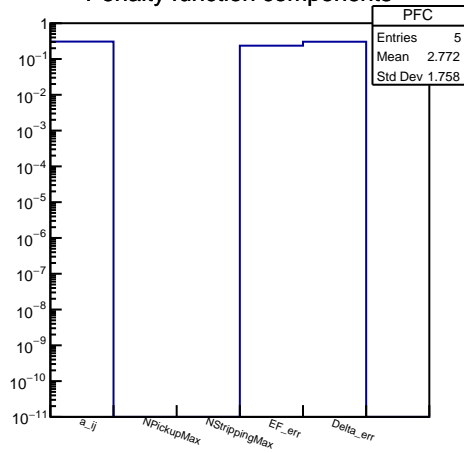
-5570.33 1f7/2 0.5 0.0133333

-5570.33 2p1/2 0.5 1.09333

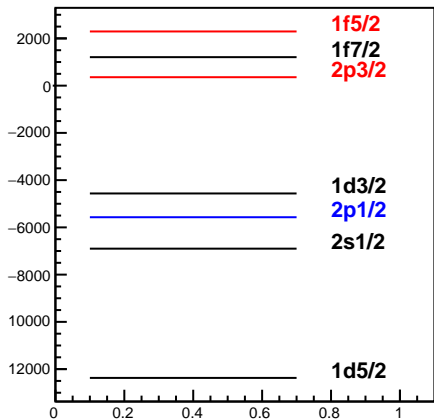
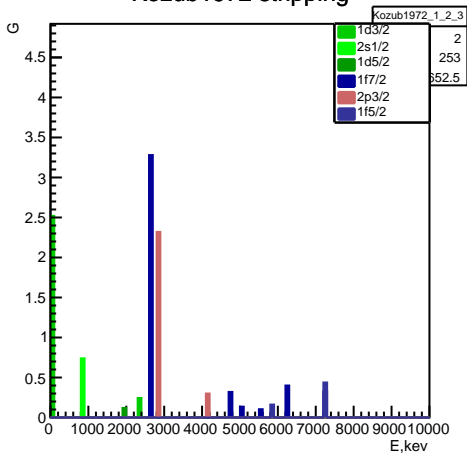
Ma74 pickup



Penalty function components



Kozub1972 stripping



Experiment: Ma74 (14) Kozub1972 (14)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6142.69 ± 555.473 keV

Δ: -4289.94 ± 1993.69 keV

penalty: 0.169237

SPE, keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6900.49 2s1/2 0.6275 0.995

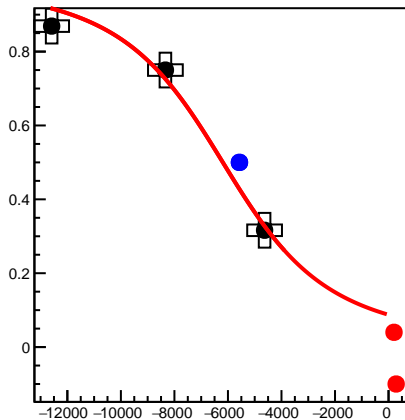
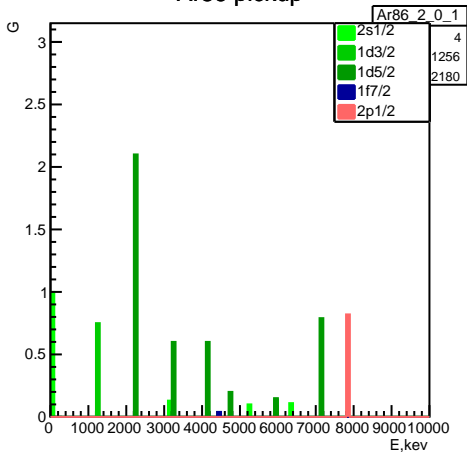
-4564.11 1d3/2 0.2945 0.971

-12372.4 1d5/2 0.848333 0.736667

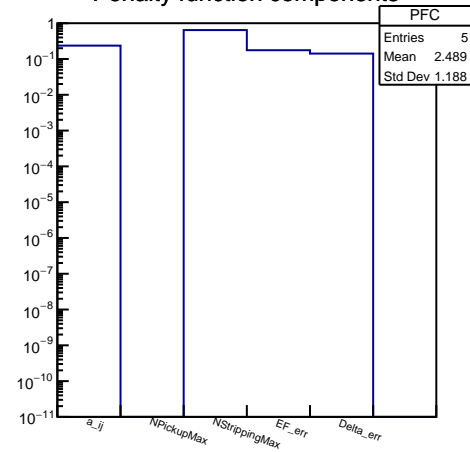
1206.13 1f7/2 0.217 0.576

-5570.33 2p1/2 0.5 0.82

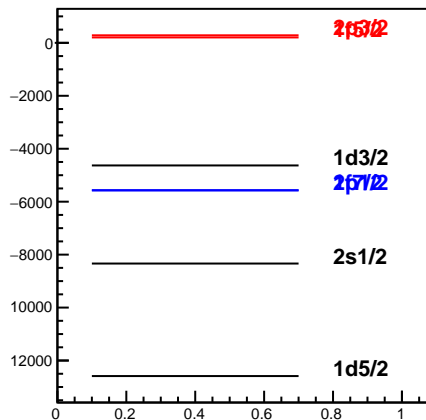
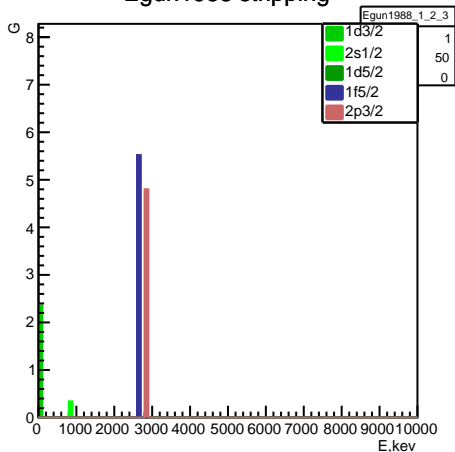
Ar86 pickup



Penalty function components



Egun1988 stripping



Experiment: Ar86 (14) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6190.49 ± 414.654 keV

Δ: 4239.56 ± 930.062 keV

penalty: 0.239416

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8336.65 2s1/2 0.75 0.84

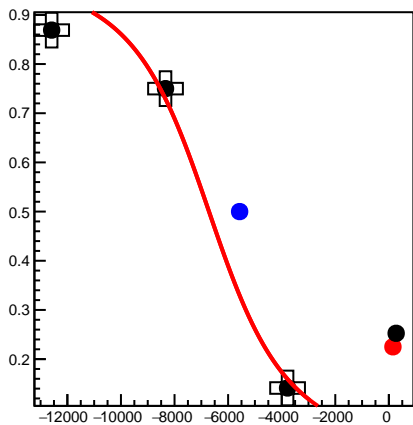
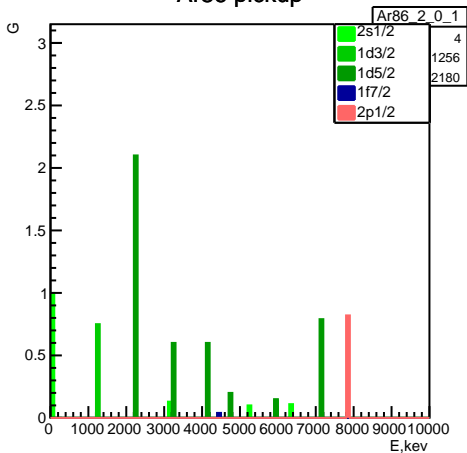
-4631.09 1d3/2 0.31625 0.8125

-12586.7 1d5/2 0.869 0.742

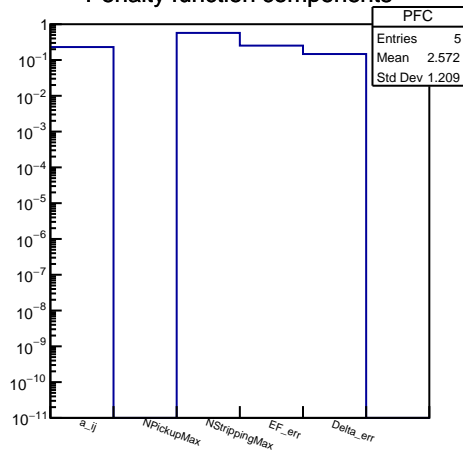
-5570.33 1f7/2 0.5 0.01

-5570.33 2p1/2 0.5 0.82

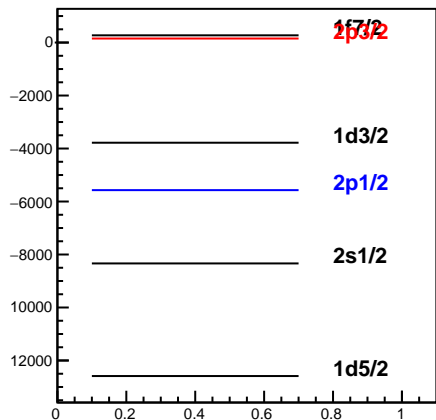
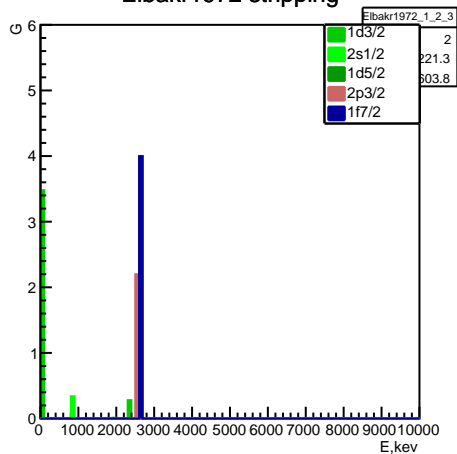
Ar86 pickup



Penalty function components



Elbakra1972 stripping



Experiment: Ar86 (14) Elbakra1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6713.29 \pm 594.472$ keV $\Delta: -3150.13 \pm 963.926$ keV

penalty: 0.240144

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8336.65 2s1/2 0.75 0.84

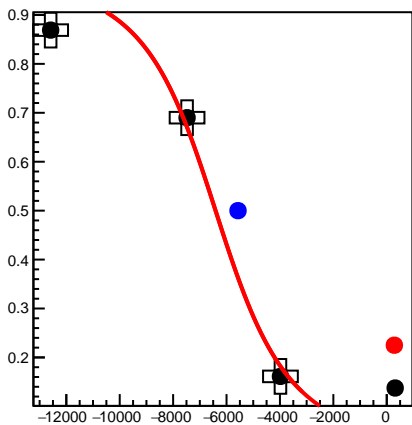
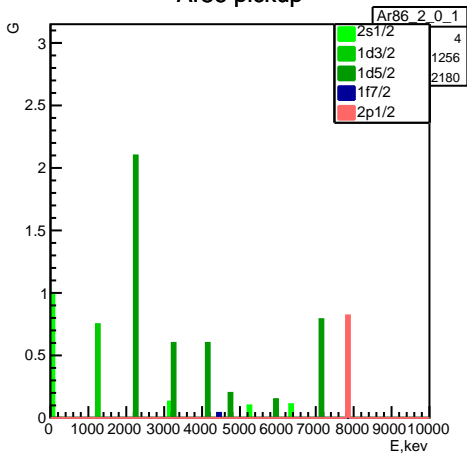
-3780.85 1d3/2 0.14125 1.1625

-12586.7 1d5/2 0.869 0.742

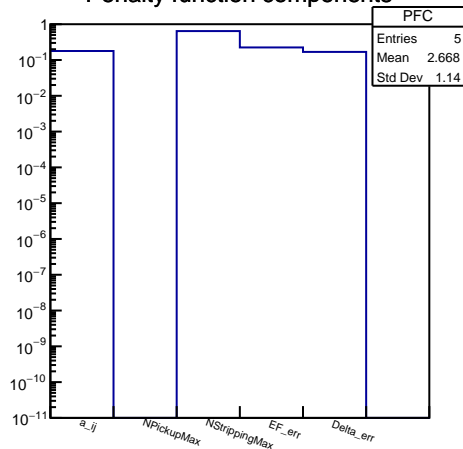
272.231 1f7/2 0.2525 0.505

-5570.33 2p1/2 0.5 0.82

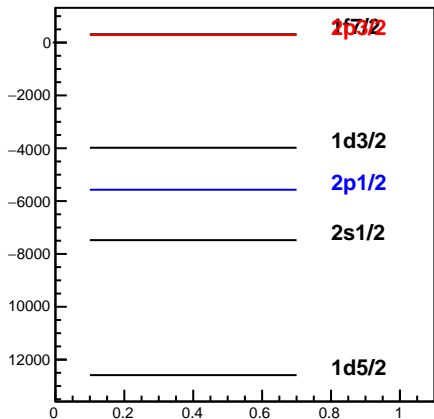
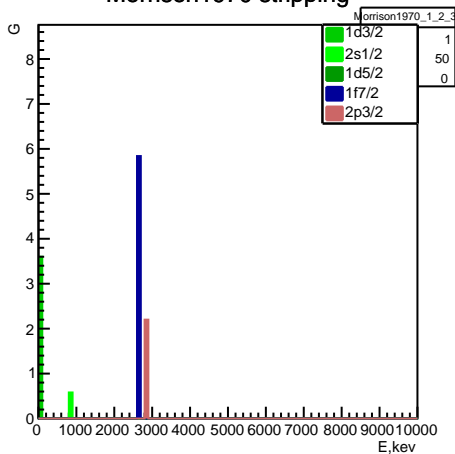
Ar86 pickup



Penalty function components



Morrison1970 stripping



Experiment: Ar86 (14) Morrison1970 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6410.38 \pm 528.561 keV Δ : 2946.31 \pm 1104.59 keV

penalty: 0.242788

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7477.94 2s1/2 0.69 0.96

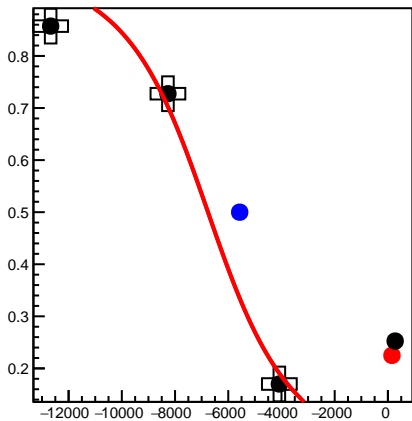
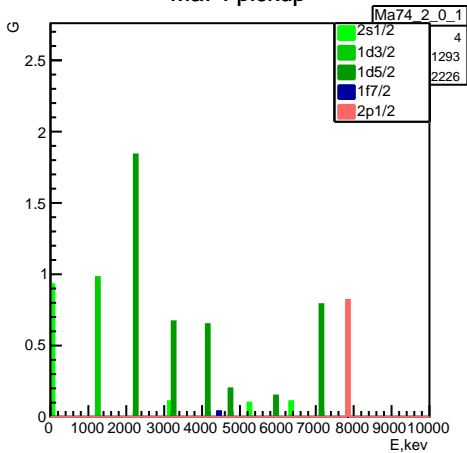
-3981.1 1d3/2 0.16125 1.1225

-12586.7 1d5/2 0.869 0.742

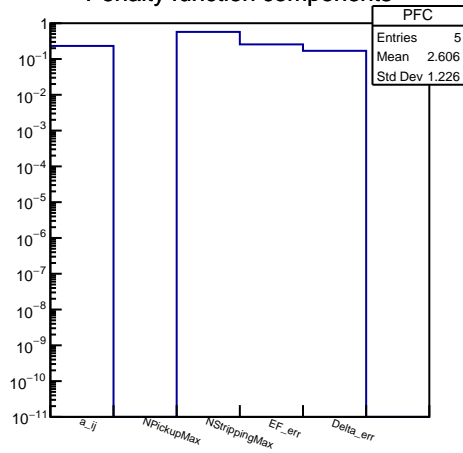
314.684 1f7/2 0.1375 0.735

-5570.33 2p1/2 0.5 0.82

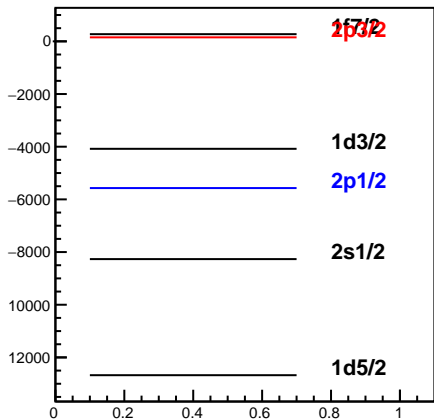
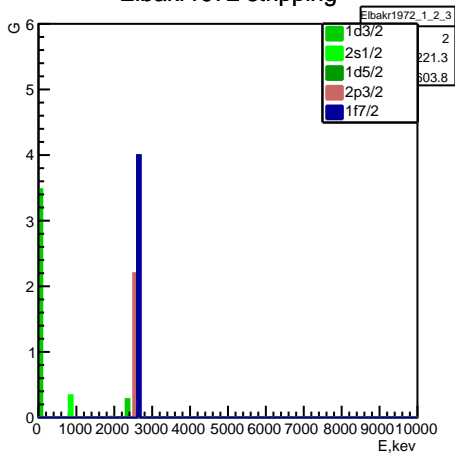
Ma74 pickup



Penalty function components



Elbakra1972 stripping



Experiment: Ma74 (14) Elbakra1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6761.77 \pm 602.989$ keV $\Delta: 3400.9 \pm 1111.09$ keV

penalty: 0.245713

SPE, keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8267.42 2s1/2 0.7275 0.795

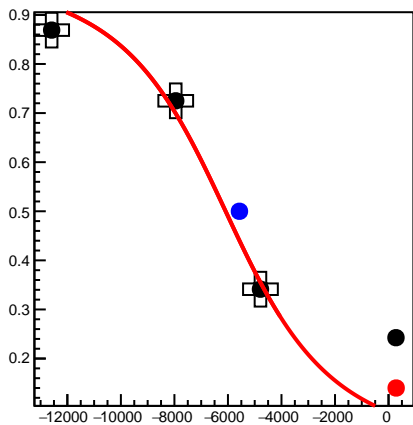
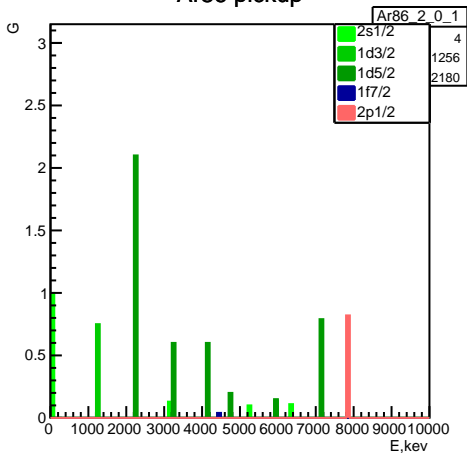
-4080.06 1d3/2 0.17 1.22

-12675.15 1d5/2 0.857333 0.718667

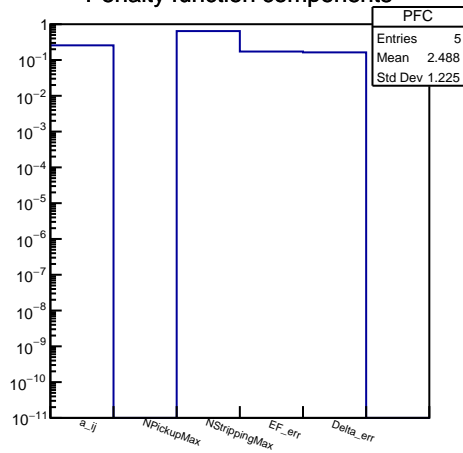
272.231 1f7/2 0.2525 0.505

-5570.33 2p1/2 0.5 0.82

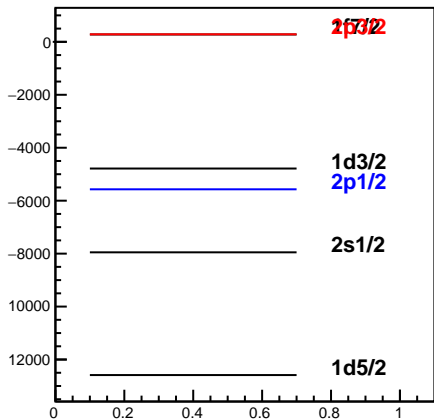
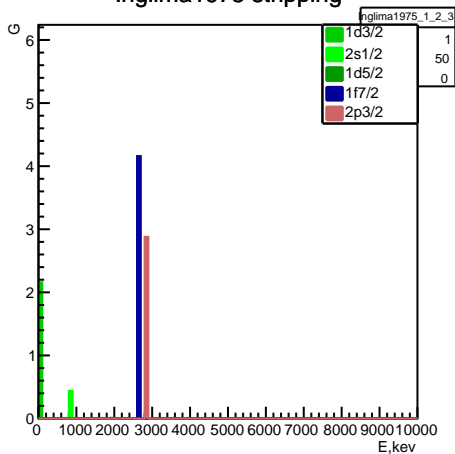
Ar86 pickup



Penalty function components



Inglima1975 stripping



Experiment: Ar86 (14) Inglima1975 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6086.86 \pm 406.077$ keV $\Delta: -4292.83 \pm 1071.63$ keV

penalty: 0.247052

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7950.71 2s1/2 0.725 0.89

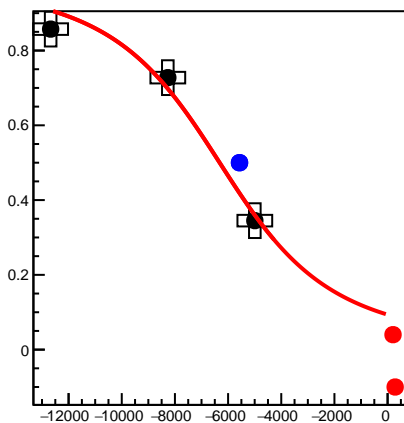
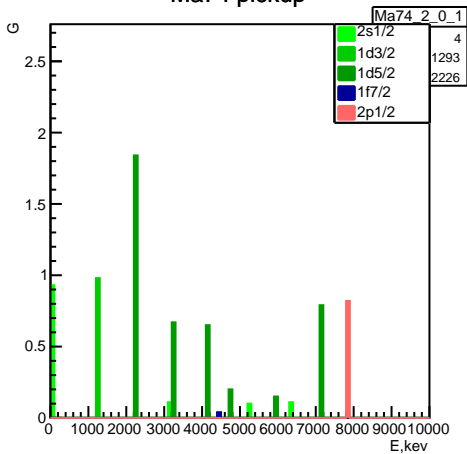
-4785.42 1d3/2 0.34125 0.7625

-12586.7 1d5/2 0.869 0.742

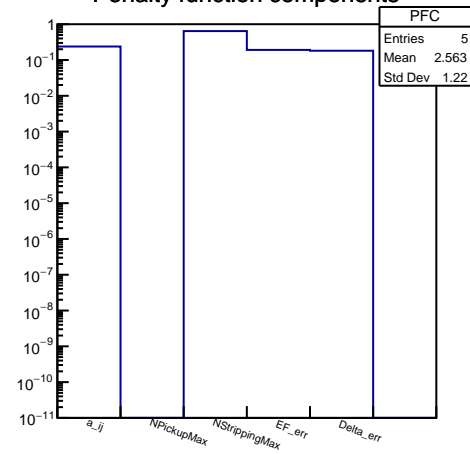
277.399 1f7/2 0.2425 0.525

-5570.33 2p1/2 0.5 0.82

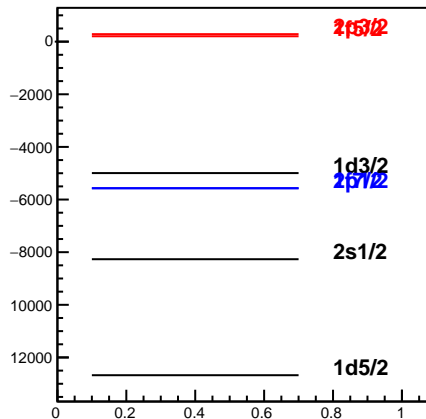
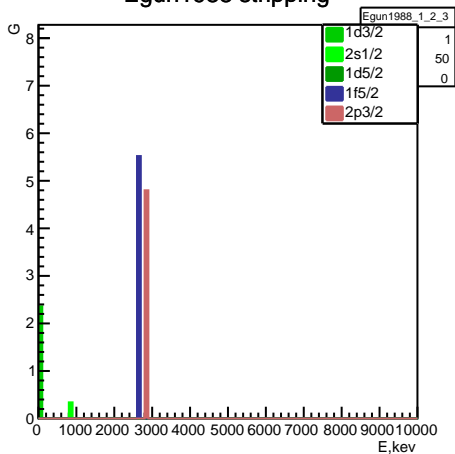
Ma74 pickup



Penalty function components



Egun1988 stripping



Experiment: Ma74 (14) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6317.55 ± 451.235 keV

Δ: 4524.95 ± 1191.42 keV

penalty: 0.250796

SPE, keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8267.42 2s1/2 0.7275 0.795

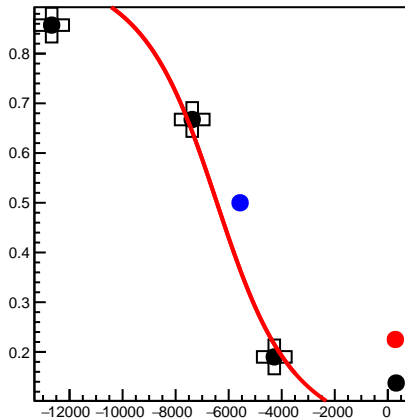
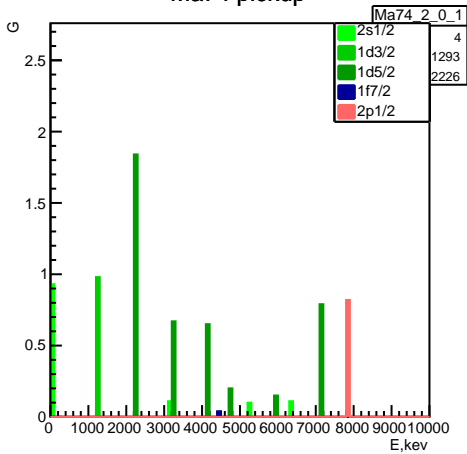
-4994.47 1d3/2 0.345 0.87

-12675 1d5/2 0.857333 0.718667

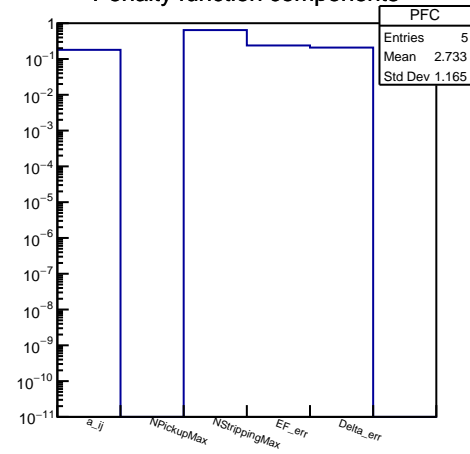
-5570.33 1f7/2 0.5 0.01

-5570.33 2p1/2 0.5 0.82

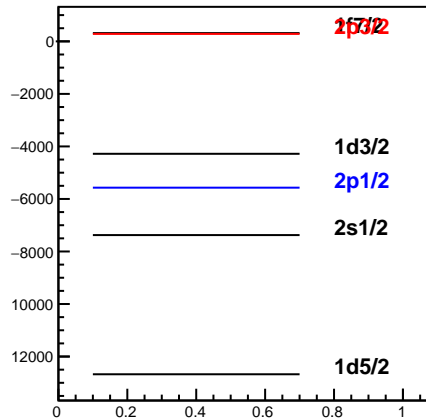
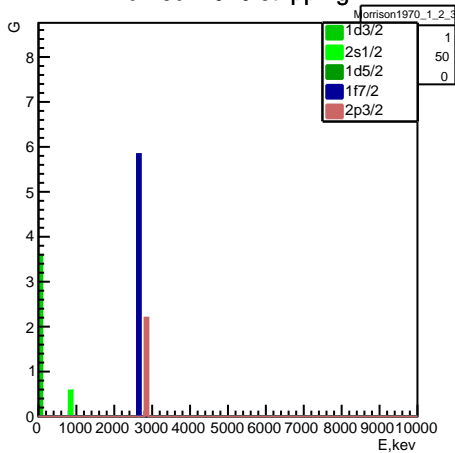
Ma74 pickup



Penalty function components



Morrison1970 stripping



Experiment: Ma74 (14) Morrison1970 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6442.89 ± 562.681 keV

Δ: 3124.13 ± 1368.94 keV

penalty: 0.254102

SPE, keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7375.56 2s1/2 0.6675 0.915

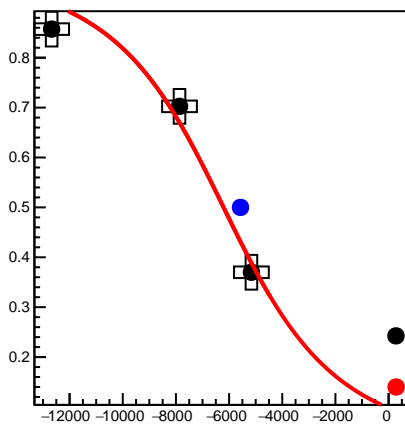
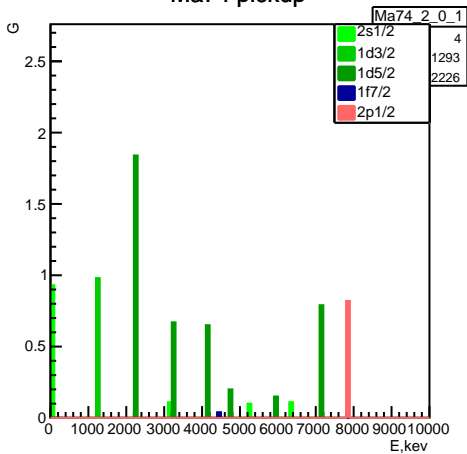
-4280.69 1d3/2 0.19 1.18

-12675 1d5/2 0.857333 0.718667

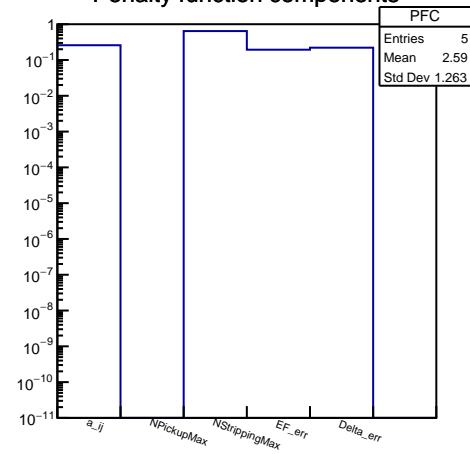
314.684 1f7/2 0.1375 0.735

-5570.33 2p1/2 0.5 0.82

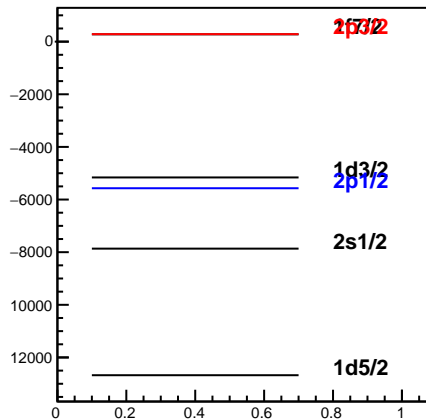
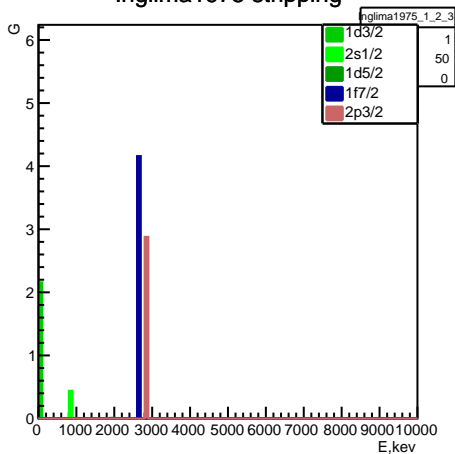
Ma74 pickup



Penalty function components



Inglima1975 stripping



Experiment: Ma74 (14) Inglima1975 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6207.37 \pm 457.285 keV Δ : -4585.91 \pm 1449.13 keV

penalty: 0.263264

SPE, keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7865.03 2s1/2 0.7025 0.845

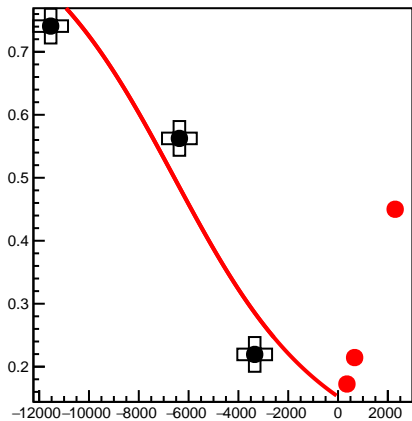
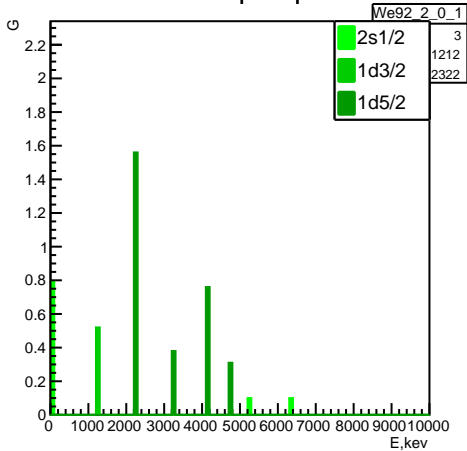
-5160.14 1d3/2 0.37 0.82

-12675 1d5/2 0.857333 0.718667

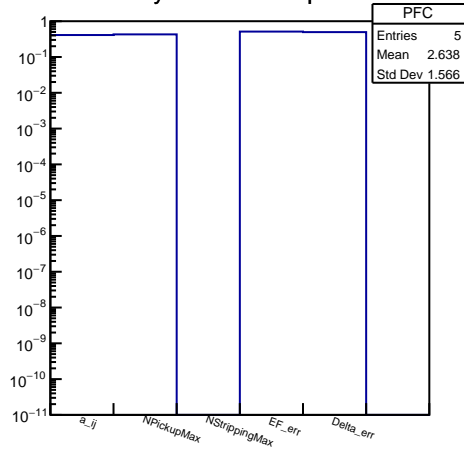
277.399 1f7/2 0.2425 0.525

-5570.33 2p1/2 0.5 0.82

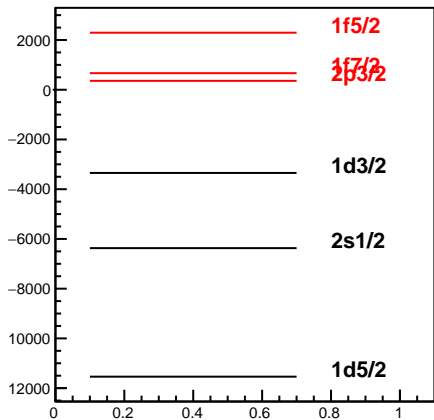
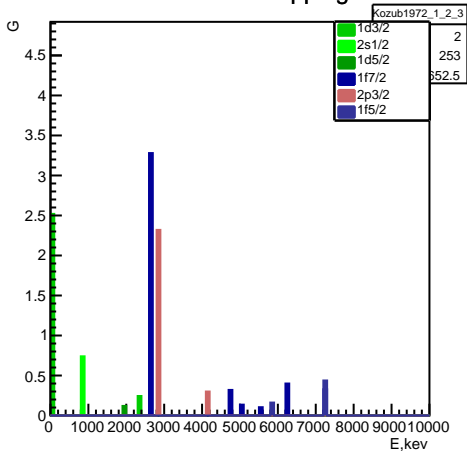
We92 pickup



Penalty function components



Kozub1972 stripping



Experiment: We92 (8) Kozub1972 (14)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6571.81 \pm 1208.86 keV Δ : 6796.55 \pm 3254.67 keV

penalty: 0.369734

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6369.61 2s1/2 0.5625 0.865

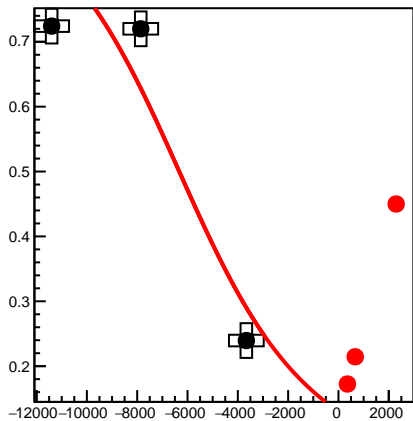
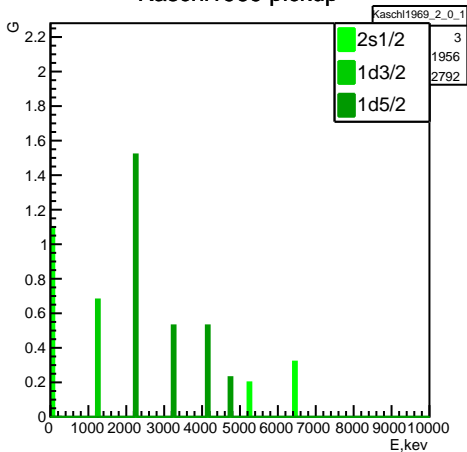
-3346.03 1d3/2 0.2195 0.821

-11539.1 1d5/2 0.740833 0.521667

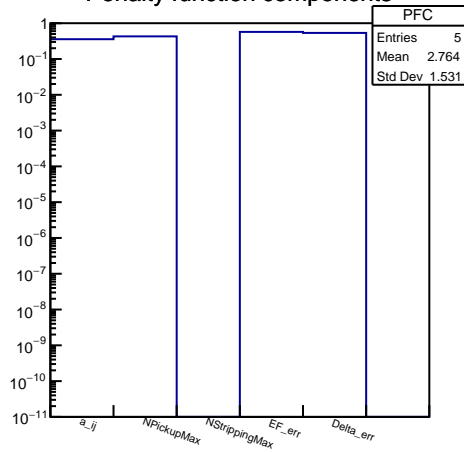
666.55 1f7/2 0.2145 0.571

357.177 2p3/2 0.1725 0.655

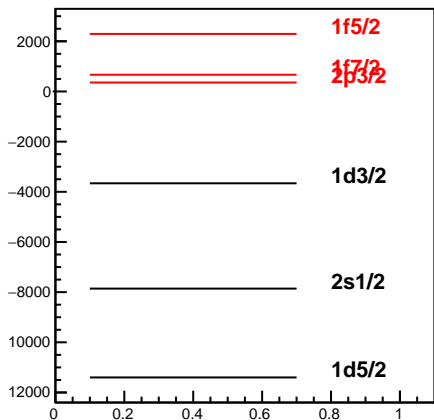
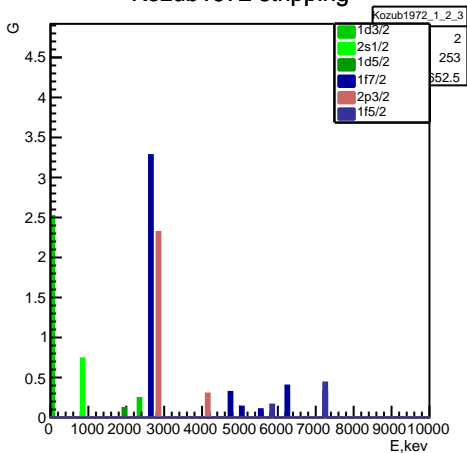
Kaschl1969 pickup



Penalty function components



Kozub1972 stripping



Experiment: Kaschl1969 (8) Kozub1972 (14)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6327.47 \pm 1347.08$ keV $\Delta: -5766.93 \pm 3514.27$ keV

penalty: 0.378657

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7858.66 2s1/2 0.72 1.18

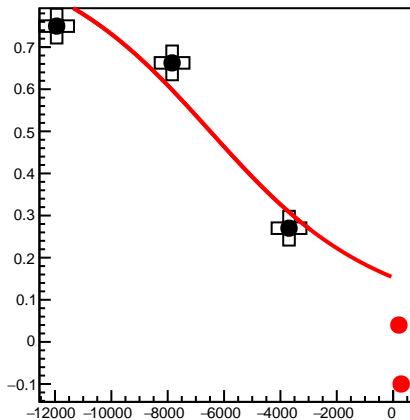
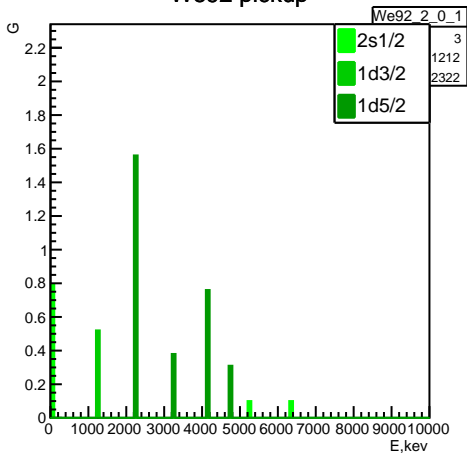
-3661.16 1d3/2 0.2395 0.861

-11400.4 1d5/2 0.724167 0.488333

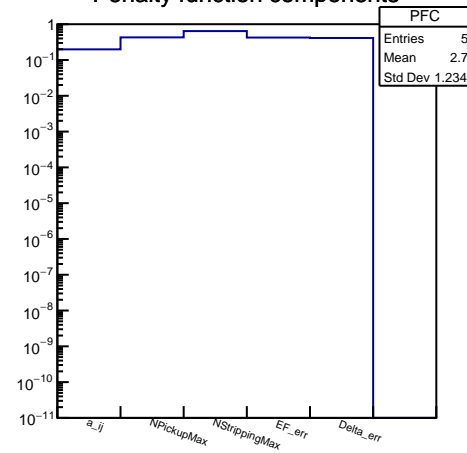
666.55 1f7/2 0.2145 0.571

357.177 2p3/2 0.1725 0.655

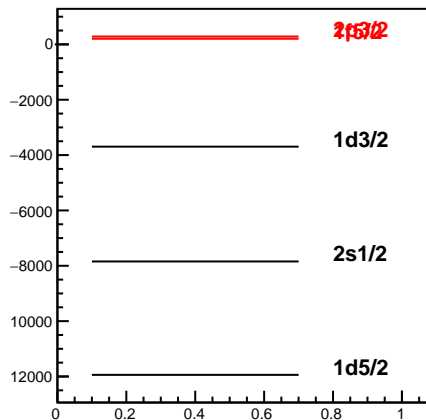
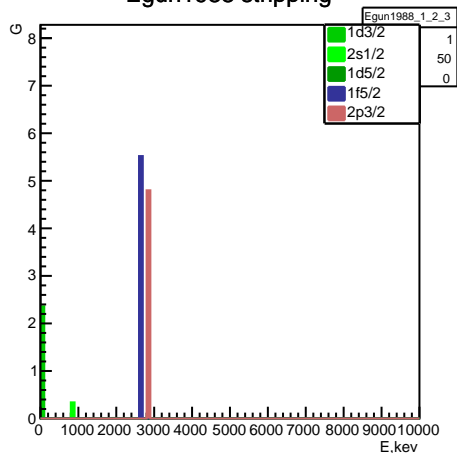
We92 pickup



Penalty function components



Egun1988 stripping



Experiment: We92 (8) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6491.78 \pm 998.77 keV Δ : 6734.37 \pm 2700.77 keV

penalty: 0.421033

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7844.09 2s1/2 0.6625 0.665

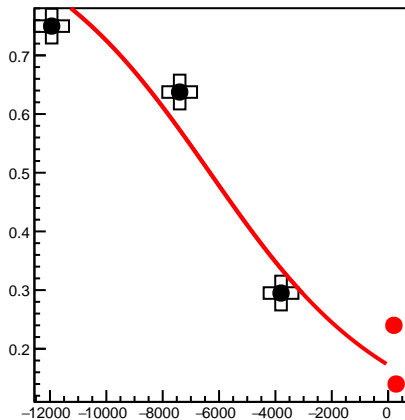
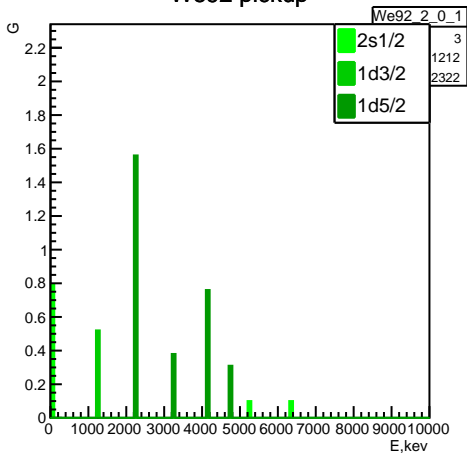
-3695.19 1d3/2 0.27 0.72

-11941.1 1d5/2 0.749833 0.503667

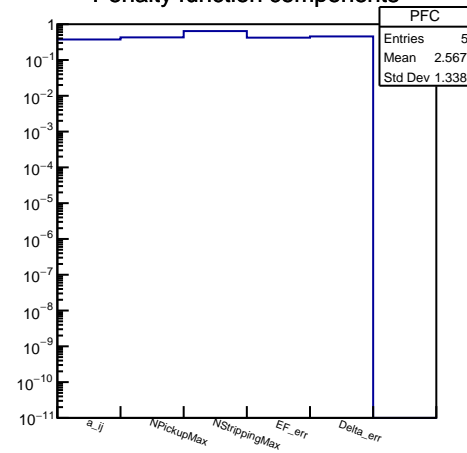
203.948 1f5/2 0.04 0.92

284.398 2p3/2 -0.1 1.2

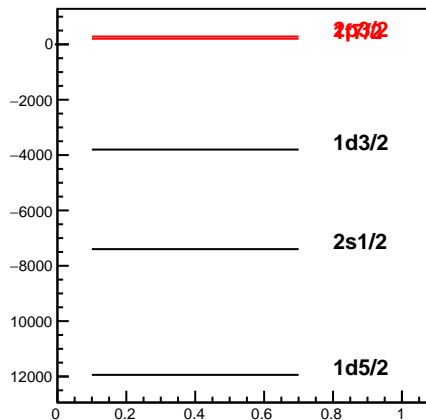
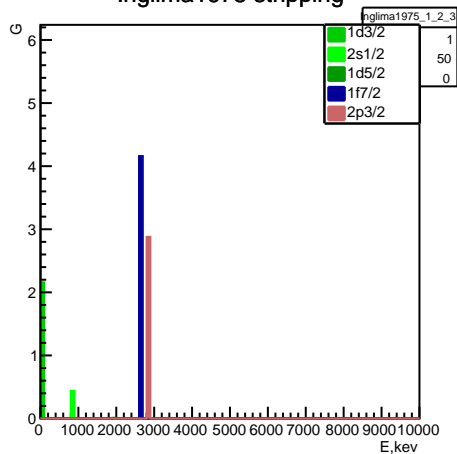
We92 pickup



Penalty function components



Inglima1975 stripping



Experiment: We92 (8) Inglima1975 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6322 ± 991.898 keV

Δ: 7291.26 ± 2989.2 keV

penalty: 0.464439

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7398.14 2s1/2 0.6375 0.715

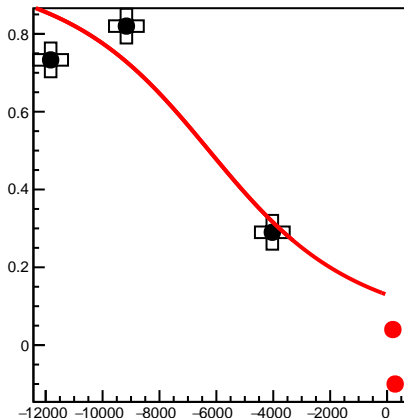
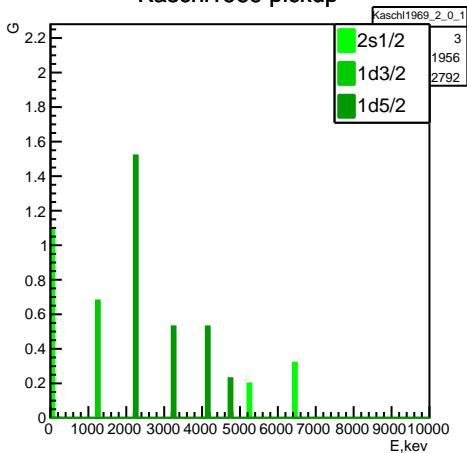
-3800.99 1d3/2 0.295 0.67

-11941.1 1d5/2 0.749833 0.503667

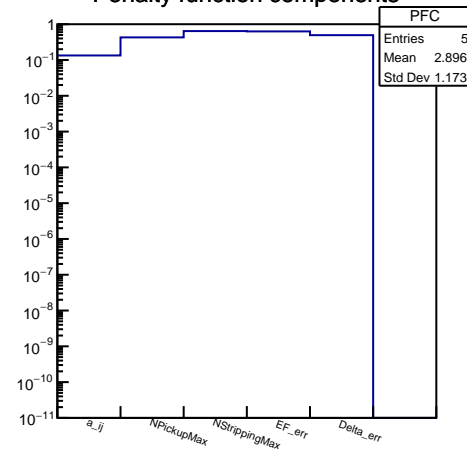
203.948 1f7/2 0.24 0.52

284.398 2p3/2 0.14 0.72

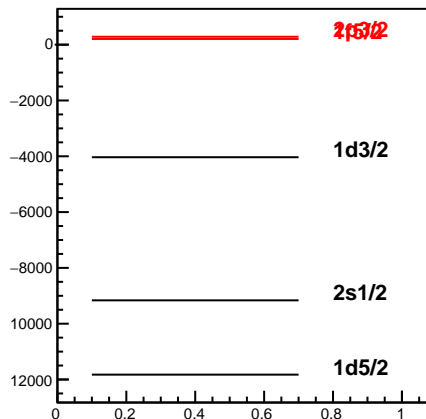
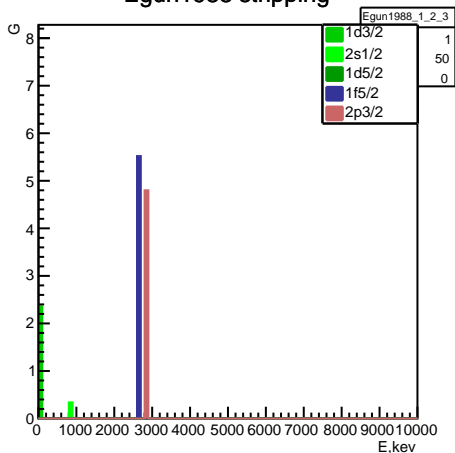
Kaschl1969 pickup



Penalty function components



Egun1988 stripping



Experiment: Kaschl1969 (8) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6256.52 \pm 1483.67 \text{ keV}$ $\Delta: 5665.2 \pm 3244.81 \text{ keV}$

penalty: 0.465911

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-9163.09 2s1/2 0.82 0.98

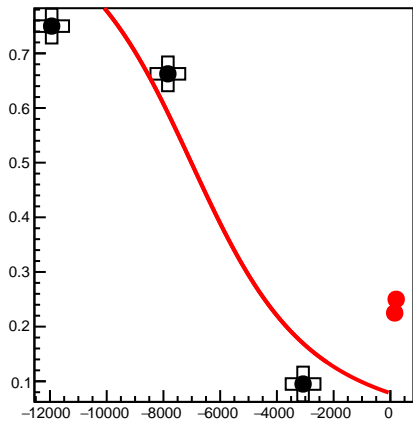
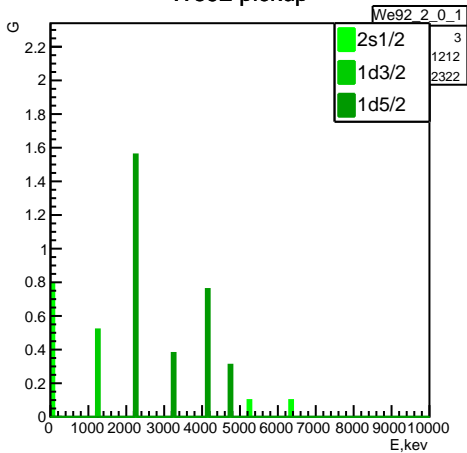
-4033.83 1d3/2 0.29 0.76

-11825.6 1d5/2 0.733167 0.470333

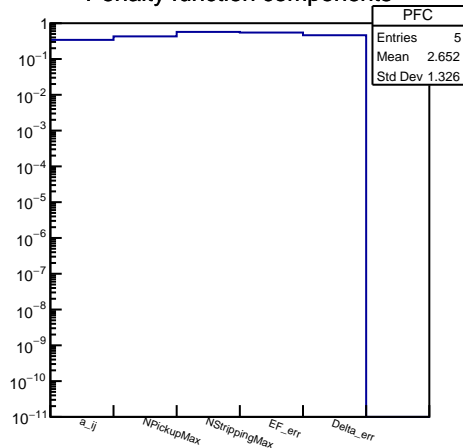
203.948 1f5/2 0.04 0.92

284.398 2p3/2 -0.1 1.2

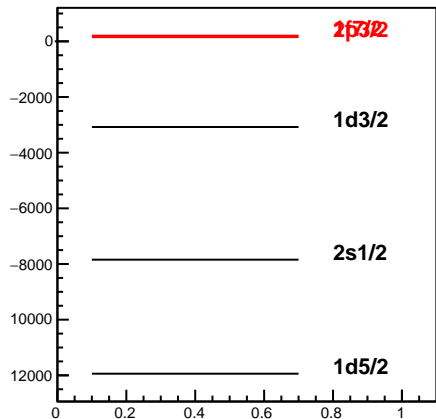
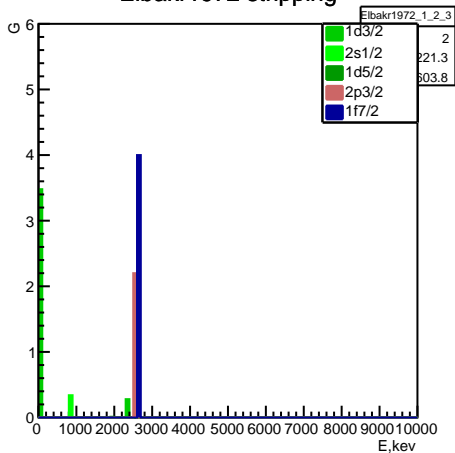
We92 pickup



Penalty function components



Elbakra1972 stripping



Experiment: We92 (8) Elbakra1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -7016.9 \pm 1291.37$ keV $\Delta: 4469.85 \pm 3028.41$ keV

penalty: 0.470372

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7844.09 2s1/2 0.6625 0.665

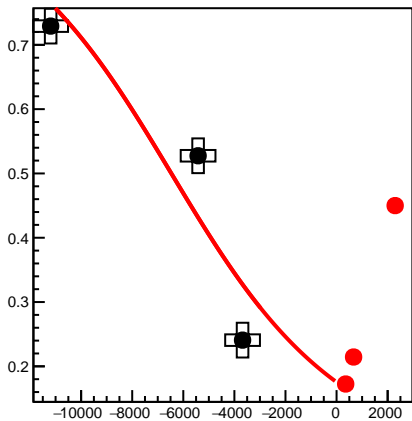
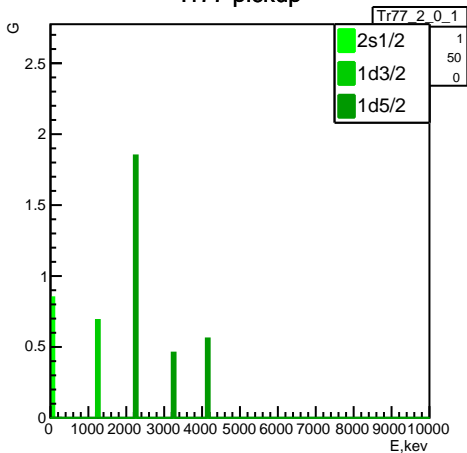
-3077.59 1d3/2 0.095 1.07

-11941.1 1d5/2 0.749833 0.503667

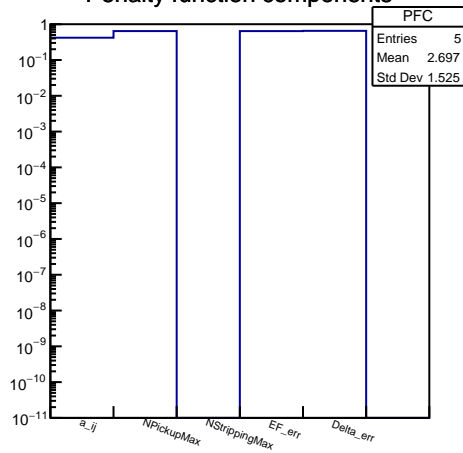
151.748 2p3/2 0.225 0.55

203.948 1f7/2 0.25 0.5

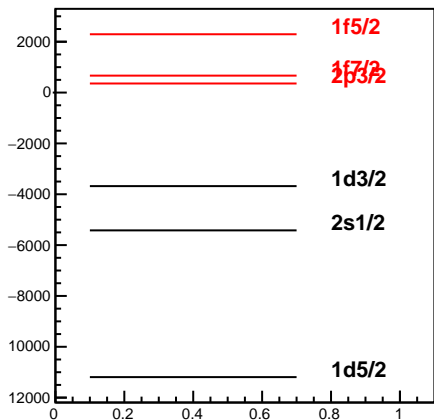
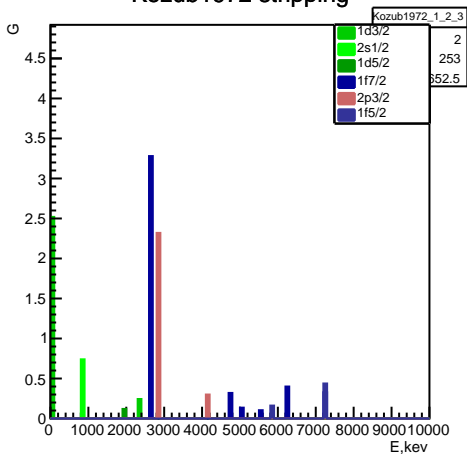
Tr77 pickup



Penalty function components



Kozub1972 stripping



Experiment: Tr77 (5) Kozub1972 (14)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6467.7 \pm 1512.72 keV Δ : 7578.99 \pm 4282.4 keV

penalty: 0.471401

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-5420.9 2s1/2 0.5275 0.795

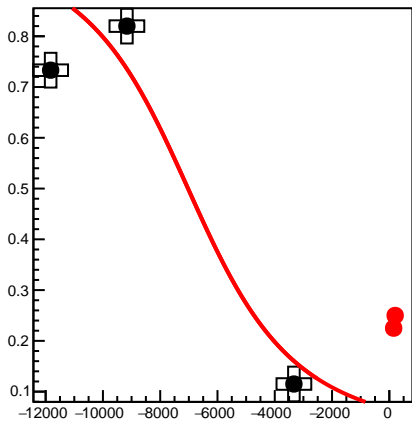
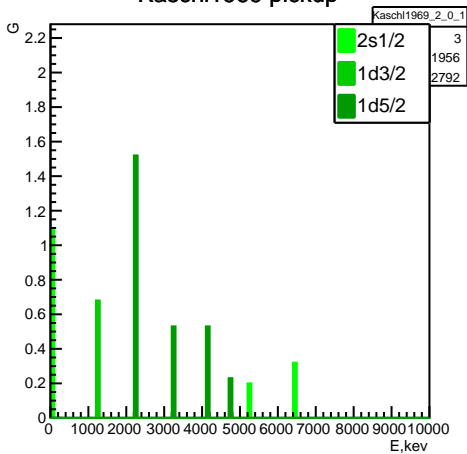
-3679.89 1d3/2 0.24075 0.8635

-11193 1d5/2 0.729167 0.498333

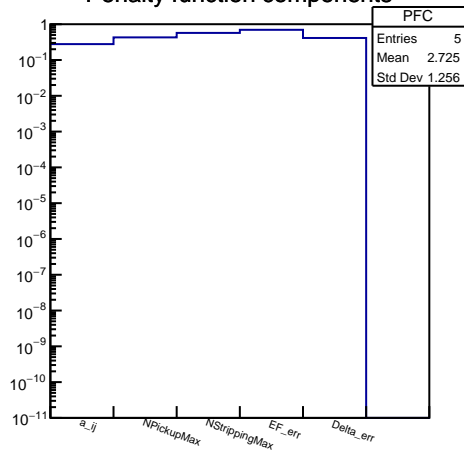
666.55 1f7/2 0.2145 0.571

357.177 2p3/2 0.1725 0.655

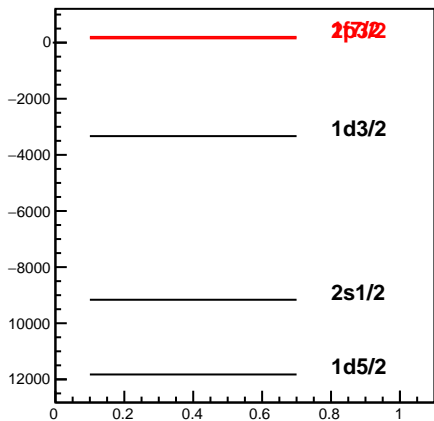
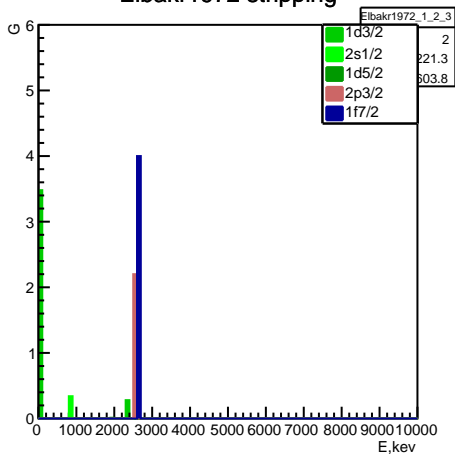
Kaschl1969 pickup



Penalty function components



Elbakr1972 stripping



Experiment: Kaschl1969 (8) Elbakr1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -7028.39 \pm 1642.88$ keV $\Delta: -3993.38 \pm 2706.27$ keV

penalty: 0.477529

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-9163.09 2s1/2 0.82 0.98

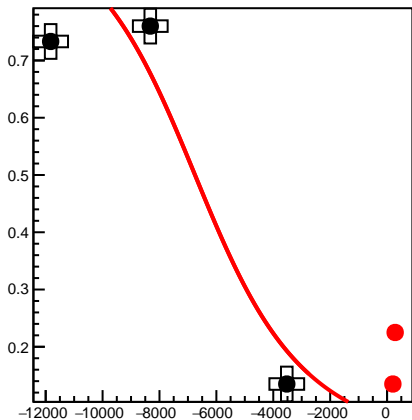
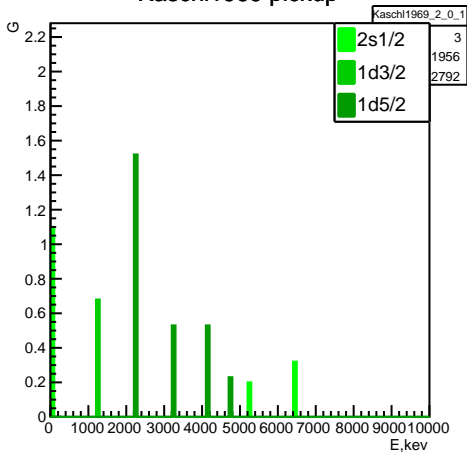
-3331.71 1d3/2 0.115 1.11

-11825.6 1d5/2 0.733167 0.470333

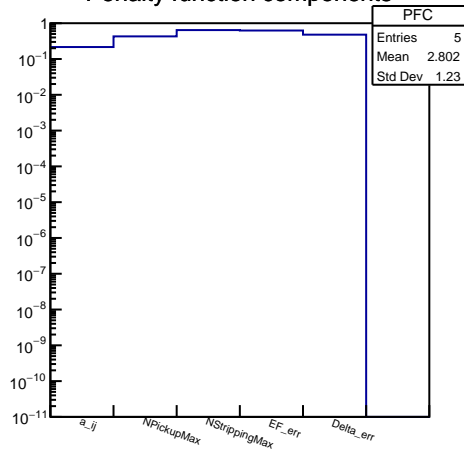
151.748 2p3/2 0.225 0.55

203.948 1f7/2 0.25 0.5

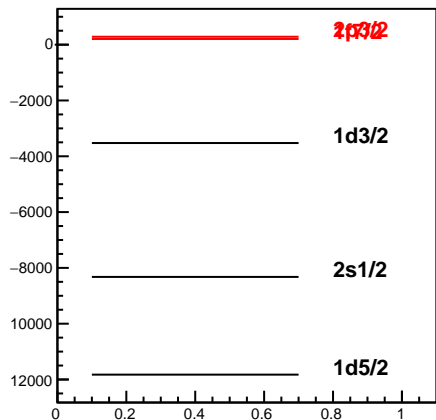
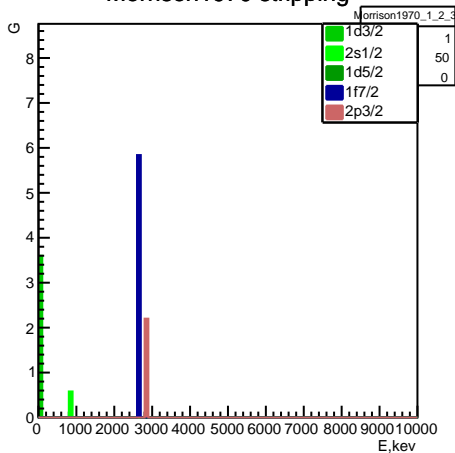
Kaschl1969 pickup



Penalty function components



Morrison1970 stripping



Experiment: Kaschl1969 (8) Morrison1970 (5)
proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6750.99 ± 1472.04 keV

Δ : 4144.49 ± 3142.74 keV

penalty: 0.478213

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8323.51 2s1/2 0.76 1.1

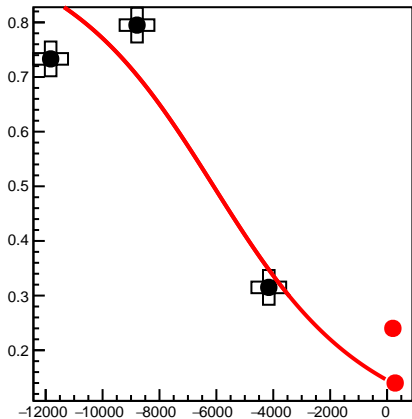
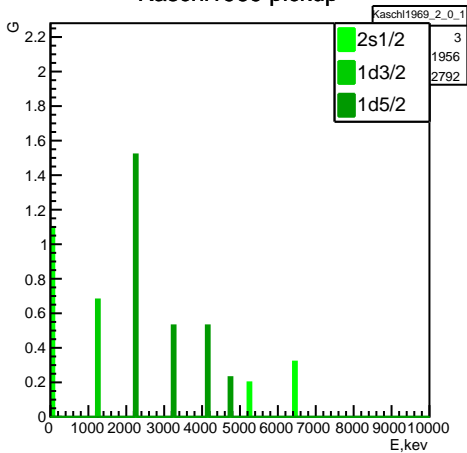
-3524.98 1d3/2 0.135 1.07

-11825.6 1d5/2 0.733167 0.470333

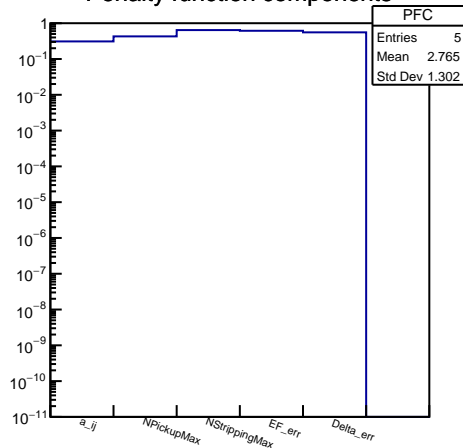
203.948 1f7/2 0.135 0.73

284.398 2p3/2 0.225 0.55

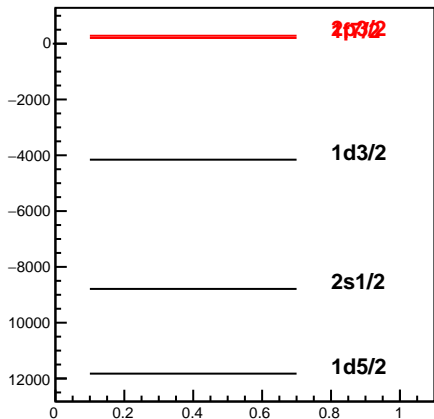
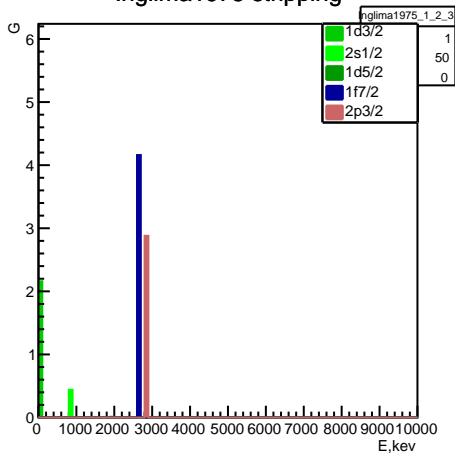
Kaschl1969 pickup



Penalty function components



Inglima1975 stripping



Experiment: Kaschl1969 (8) Inglima1975 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6095.74 \pm 1448.1 \text{ keV}$ $\Delta: -6056.12 \pm 3645.92 \text{ keV}$

penalty: 0.510315

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-8789.49 2s1/2 0.795 1.03

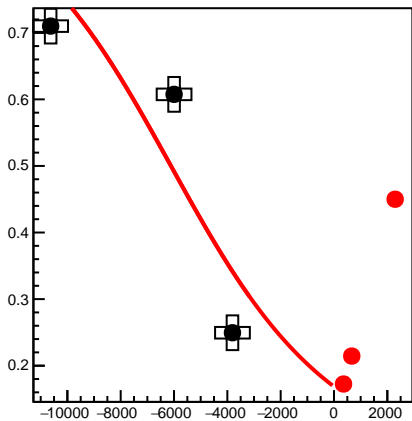
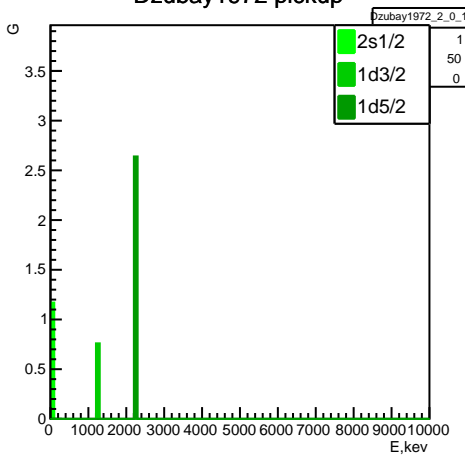
-4157.51 1d3/2 0.315 0.71

-11825.6 1d5/2 0.733167 0.470333

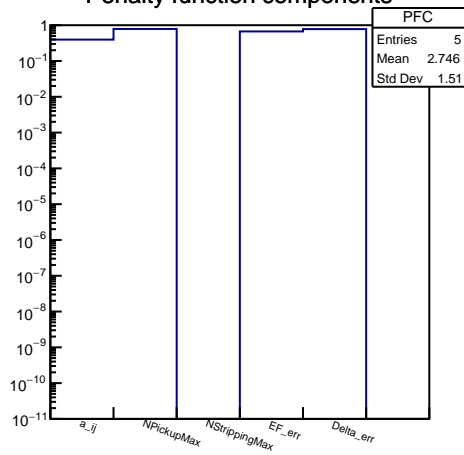
203.948 1f7/2 0.24 0.52

284.398 2p3/2 0.14 0.72

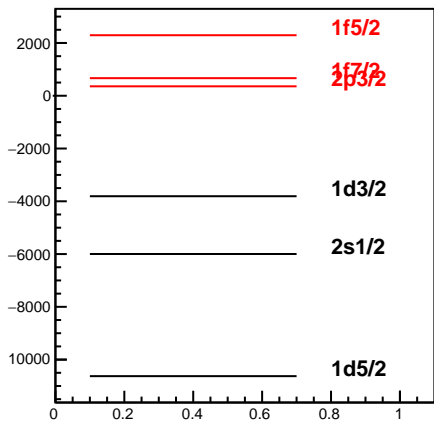
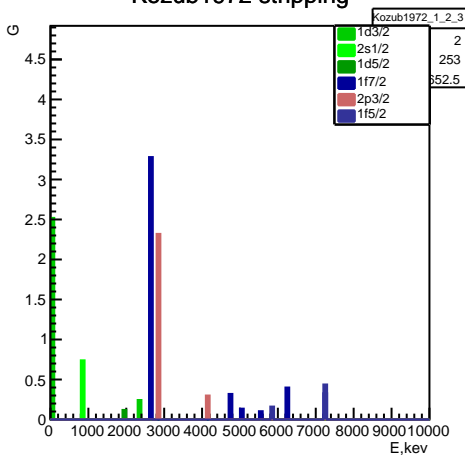
Dzubay1972 pickup



Penalty function components



Kozub1972 stripping



Experiment: Dzubay1972 (3) Kozub1972 (14)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 E_F : -6114.3 \pm 1578.57 keV Δ : -6908.25 \pm 5106.74 keV

penalty: 0.526045

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-5997.62 2s1/2 0.6075 0.955

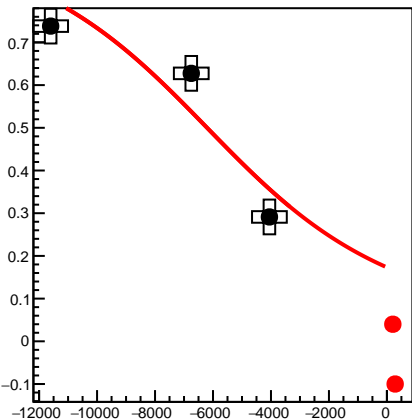
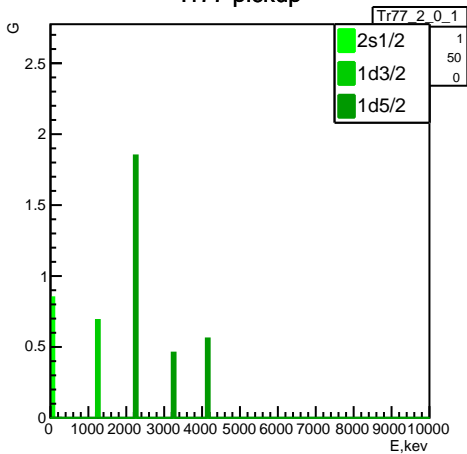
-3808 1d3/2 0.2495 0.881

-10627 1d5/2 0.71 0.46

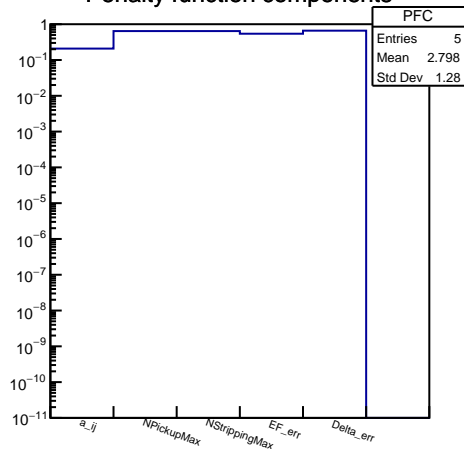
666.55 1f7/2 0.2145 0.571

357.177 2p3/2 0.1725 0.655

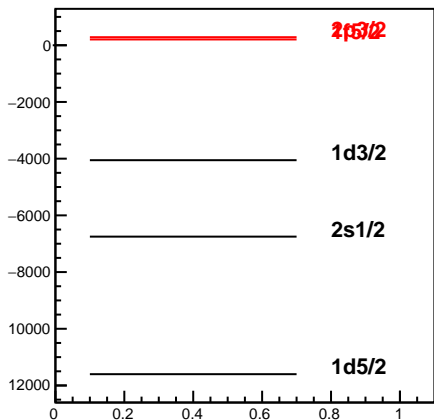
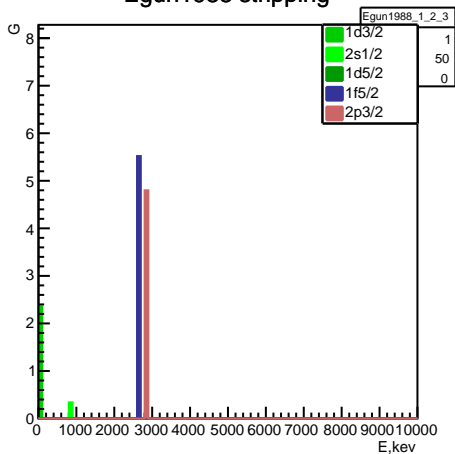
Tr77 pickup



Penalty function components



Egun1988 stripping



Experiment: Tr77 (5) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6203.71 \pm 1277.49 keV Δ : 7181.52 \pm 4332.79 keV

penalty: 0.53932

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6749.96 2s1/2 0.6275 0.595

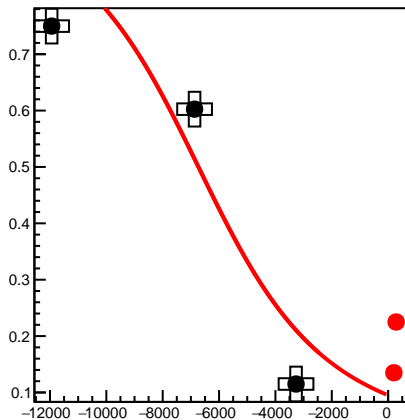
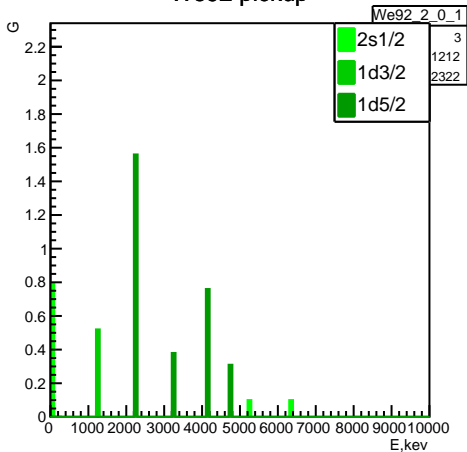
-4053.81 1d3/2 0.29125 0.7625

-11601.5 1d5/2 0.738167 0.480333

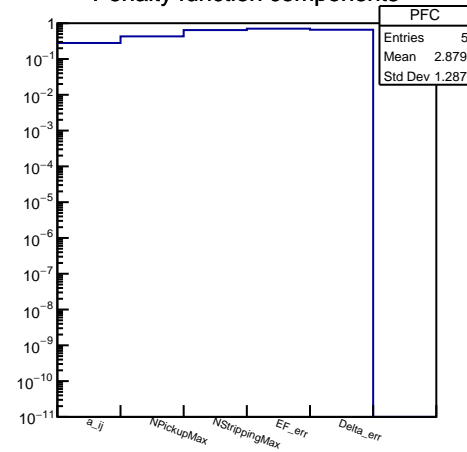
203.948 1f5/2 0.04 0.92

284.398 2p3/2 -0.1 1.2

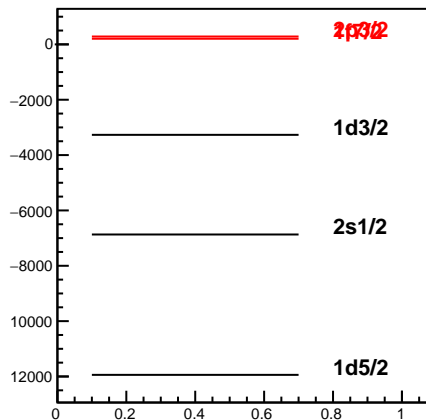
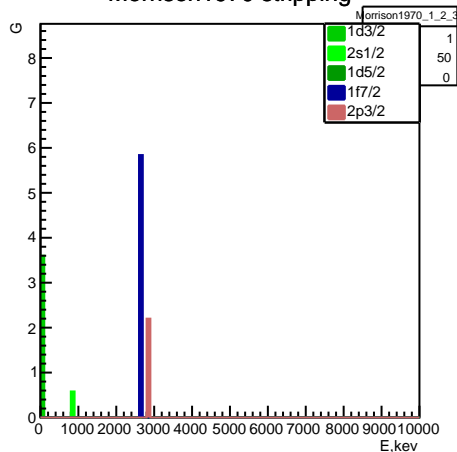
We92 pickup



Penalty function components



Morrison1970 stripping



Experiment: We92 (8) Morrison1970 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6731.85 \pm 1658.58 keV Δ : -4875.87 \pm 4312.24 keV

penalty: 0.542555

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6869.24 2s1/2 0.6025 0.785

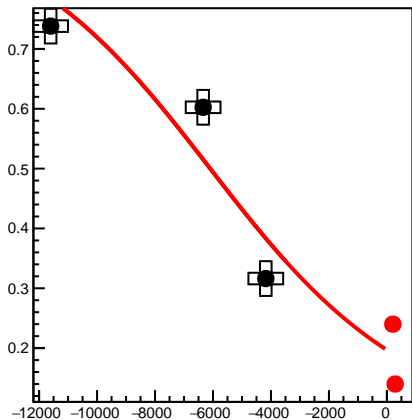
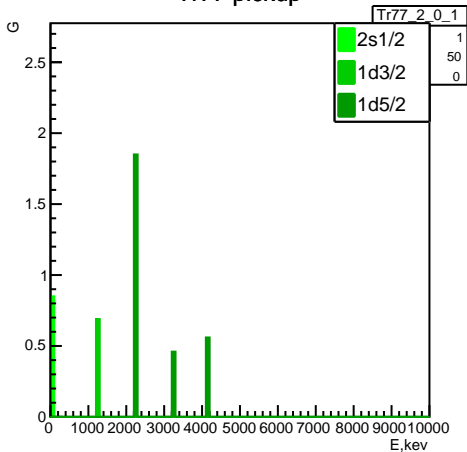
-3268.51 1d3/2 0.115 1.03

-11941.1 1d5/2 0.749833 0.503667

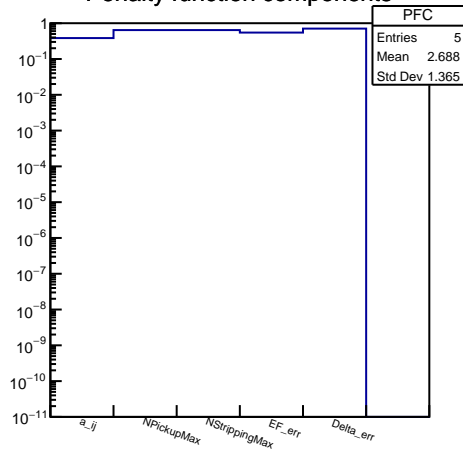
203.948 1f7/2 0.135 0.73

284.398 2p3/2 0.225 0.55

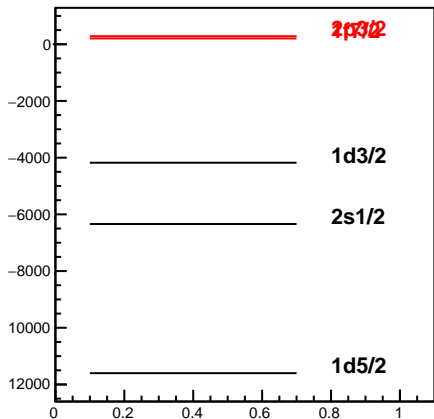
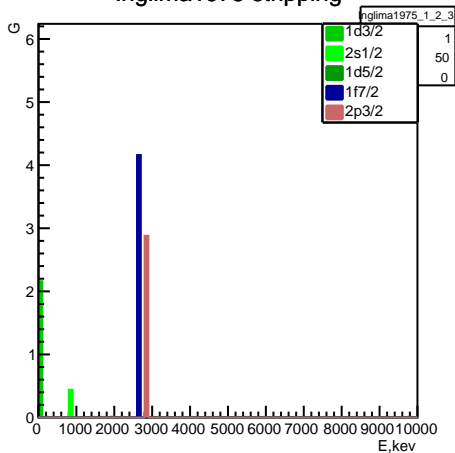
Tr77 pickup



Penalty function components



Inglima1975 stripping



Experiment: Tr77 (5) Inglima1975 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

 $E_F: -6096.03 \pm 1289.56 \text{ keV}$ $\Delta: -7995.18 \pm 4639.5 \text{ keV}$

penalty: 0.584891

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6340.43 2s1/2 0.6025 0.645

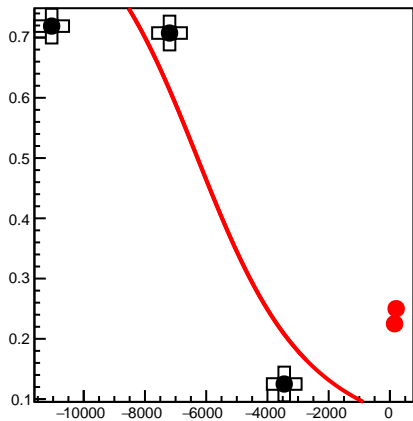
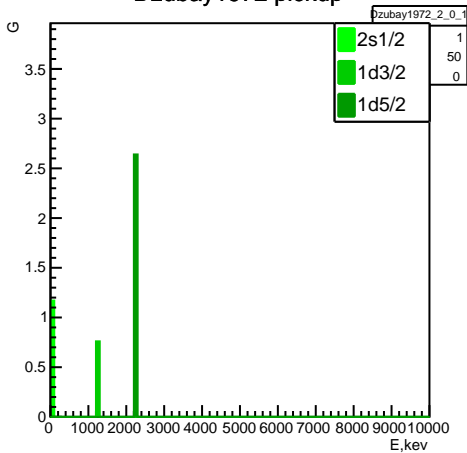
-4178.46 1d3/2 0.31625 0.7125

-11601.5 1d5/2 0.738167 0.480333

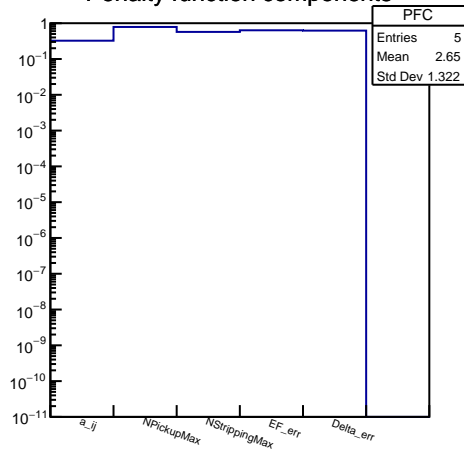
203.948 1f7/2 0.24 0.52

284.398 2p3/2 0.14 0.72

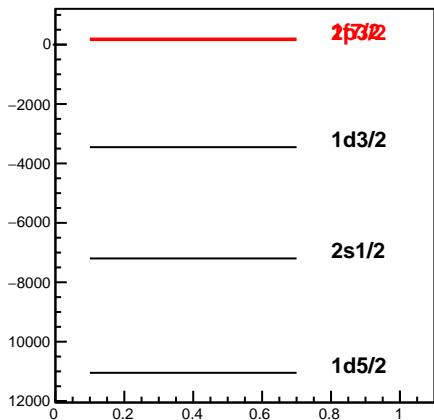
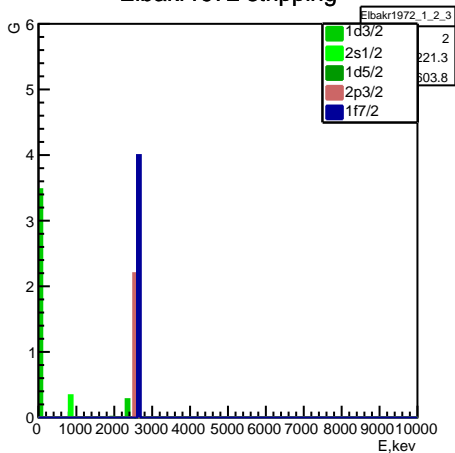
Dzubay1972 pickup



Penalty function components



Elbakr1972 stripping



Experiment: Dzubay1972 (3) Elbakr1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6283.35 \pm 1494.22 keV Δ : -3930.65 \pm 4076.25 keV

penalty: 0.58742

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7197.79 2s1/2 0.7075 0.755

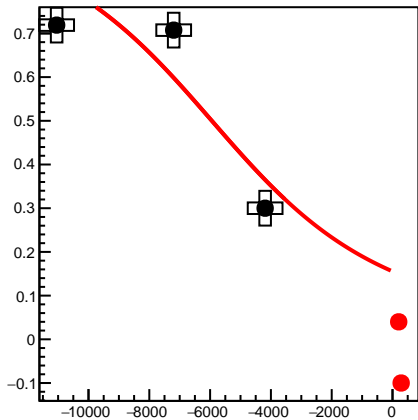
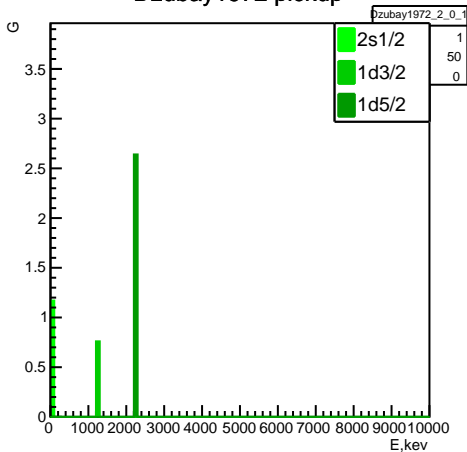
-3452.02 1d3/2 0.125 1.13

-11047.9 1d5/2 0.719 0.442

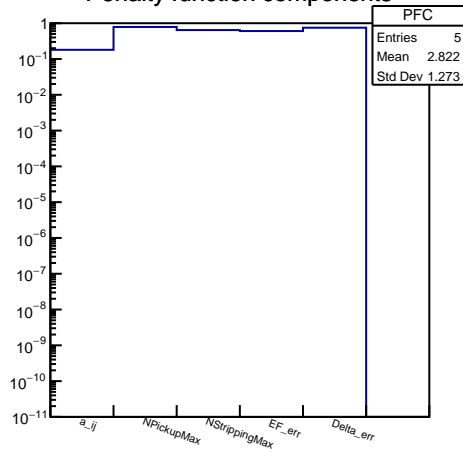
151.748 2p3/2 0.225 0.55

203.948 1f7/2 0.25 0.5

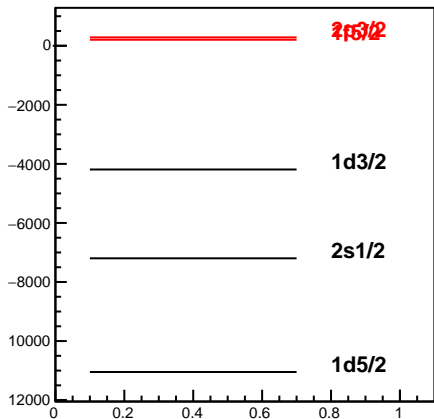
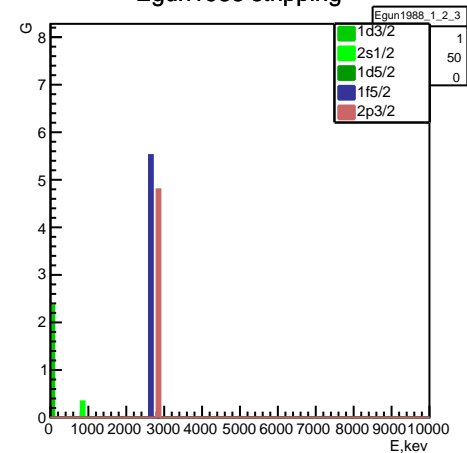
Dzubay1972 pickup



Penalty function components



Egun1988 stripping



Experiment: Dzubay1972 (3) Egun1988 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -5942.51 \pm 1423.08 keV Δ : 6250.8 \pm 4915.99 keV

penalty: 0.592457

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-7197.79 2s1/2 0.7075 0.755

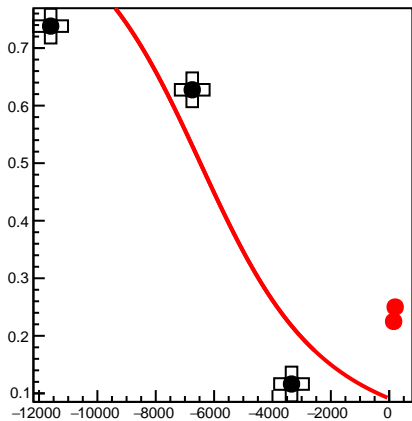
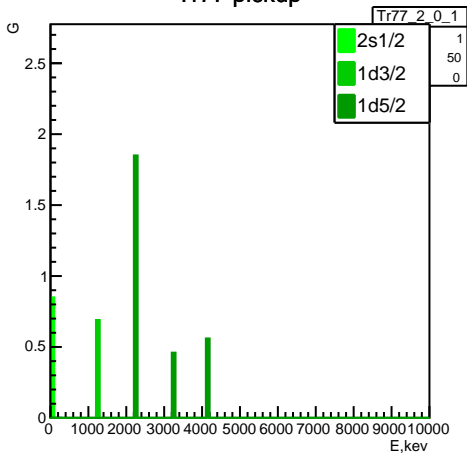
-4190.12 1d3/2 0.3 0.78

-11047.9 1d5/2 0.719 0.442

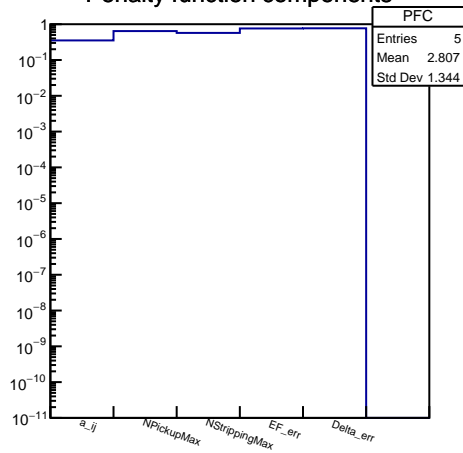
203.948 1f5/2 0.04 0.92

284.398 2p3/2 -0.1 1.2

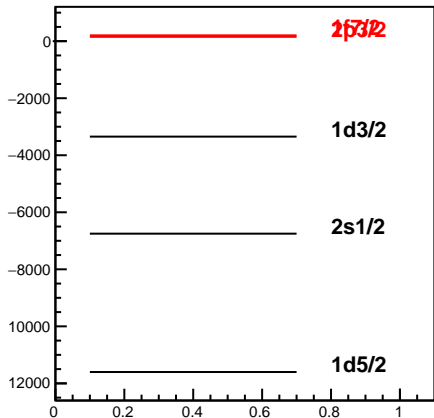
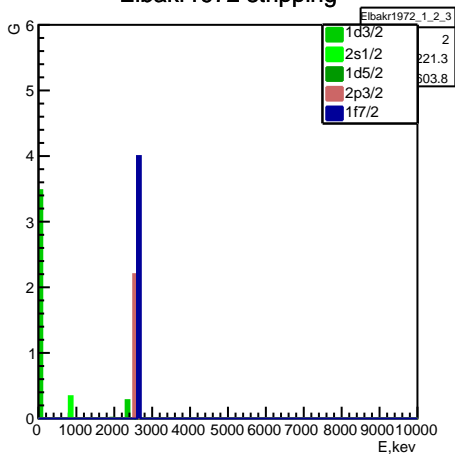
Tr77 pickup



Penalty function components



Elbakra1972 stripping



Experiment: Tr77 (5) Elbakra1972 (6)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6471.3 \pm 1792.27 keV Δ : 4559.31 \pm 5045.01 keV

penalty: 0.61924

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6749.96 2s1/2 0.6275 0.595

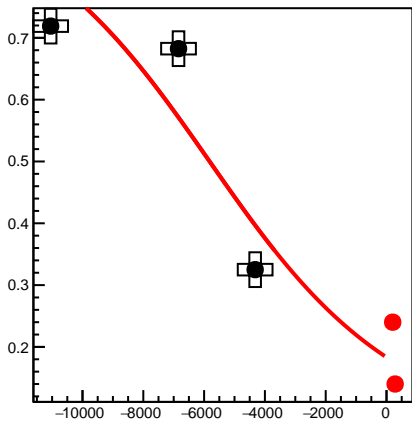
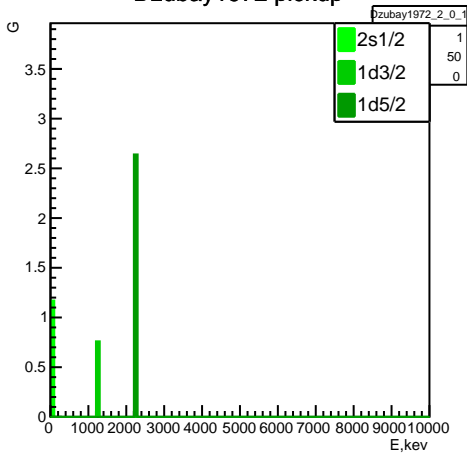
-3346.98 1d3/2 0.11625 1.1125

-11601.5 1d5/2 0.738167 0.480333

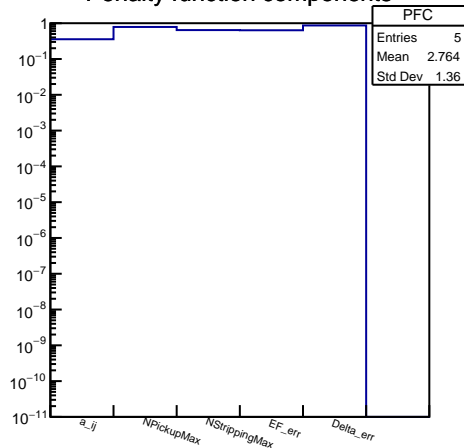
151.748 2p3/2 0.225 0.55

203.948 1f7/2 0.25 0.5

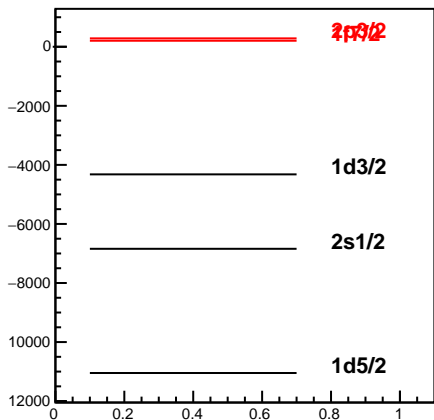
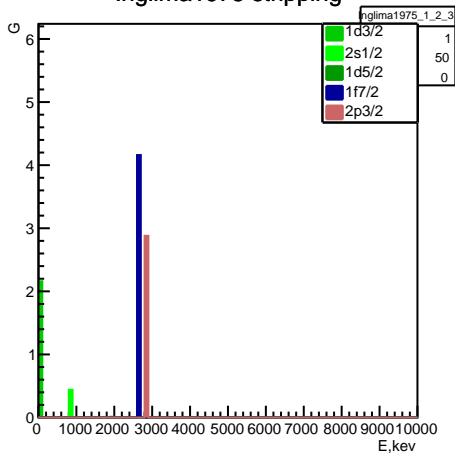
Dzubay1972 pickup



Penalty function components



Inglima1975 stripping



Experiment: Dzubay1972 (3) Inglima1975 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -5818.05 ± 1496.46 keV

Δ: -7106.46 ± 5679.08 keV

penalty: 0.657141

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6841.84 2s1/2 0.6825 0.805

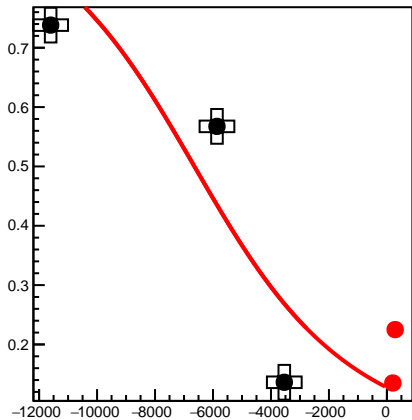
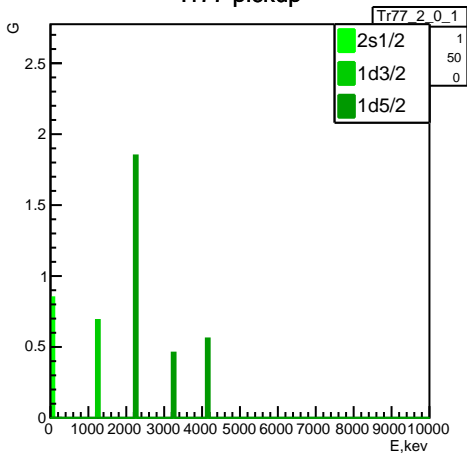
-4321.12 1d3/2 0.325 0.73

-11047.9 1d5/2 0.719 0.442

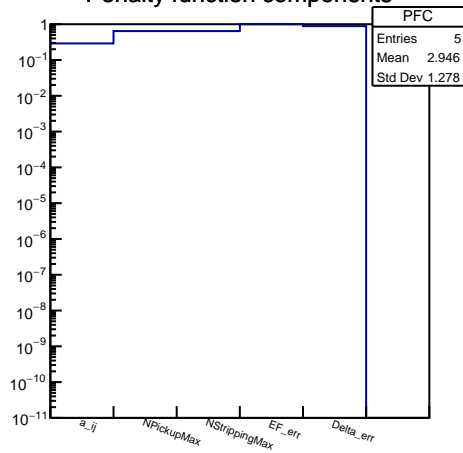
203.948 1f7/2 0.24 0.52

284.398 2p3/2 0.14 0.72

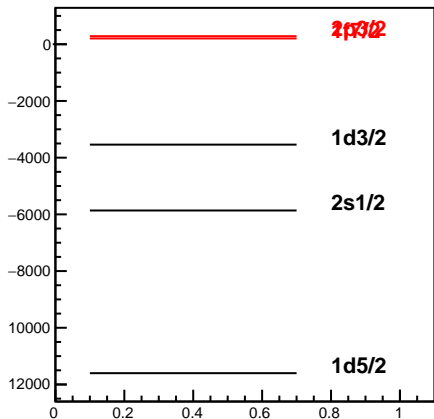
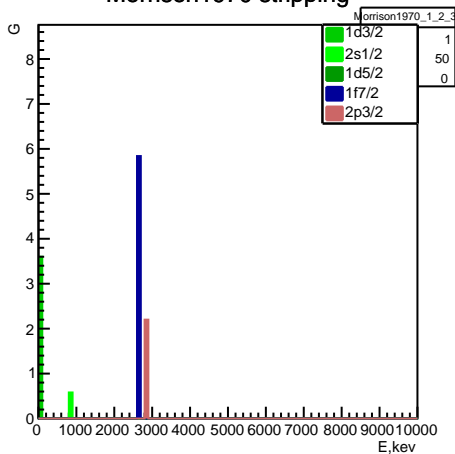
Tr77 pickup



Penalty function components



Morrison1970 stripping



Experiment: Tr77 (5) Morrison1970 (5)

proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6641.28 \pm 2355.88 keV Δ : -5942.35 \pm 5795.94 keV

penalty: 0.691857

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-5863.3 2s1/2 0.5675 0.715

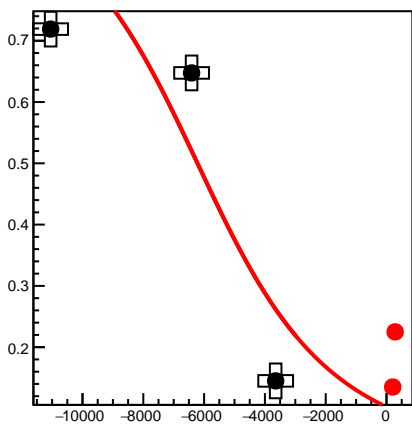
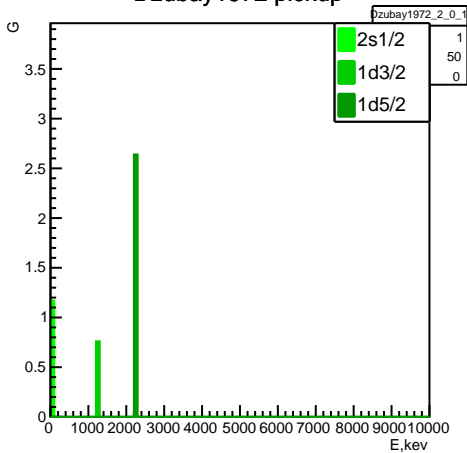
-3540.38 1d3/2 0.13625 1.0725

-11601.5 1d5/2 0.738167 0.480333

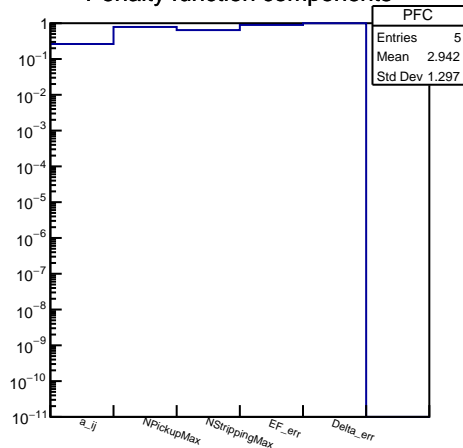
203.948 1f7/2 0.135 0.73

284.398 2p3/2 0.225 0.55

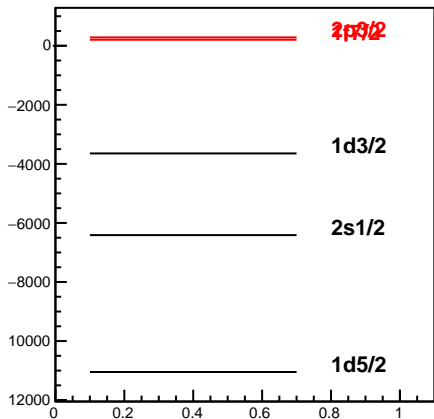
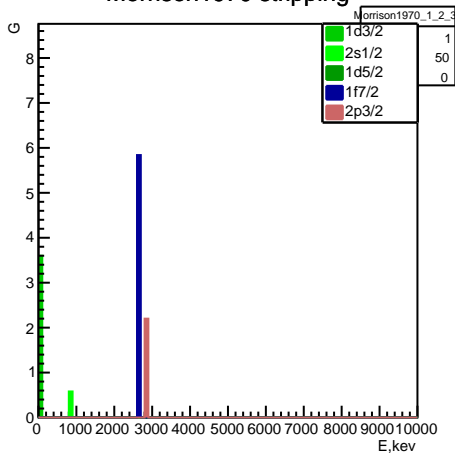
Dzubay1972 pickup



Penalty function components



Morrison1970 stripping



Experiment: Dzubay1972 (3) Morrison1970 (3)
proton transfer

p separation energy A:8863.17, A+1: 2277.5

E_F: -6217.91 \pm 2107.62 keV

Δ : -4746.55 \pm 6562.89 keV

penalty: 0.717159

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-6411.85 2s1/2 0.6475 0.875

-3646.16 1d3/2 0.145 1.09

-11047.9 1d5/2 0.719 0.442

203.948 1f7/2 0.135 0.73

284.398 2p3/2 0.225 0.55