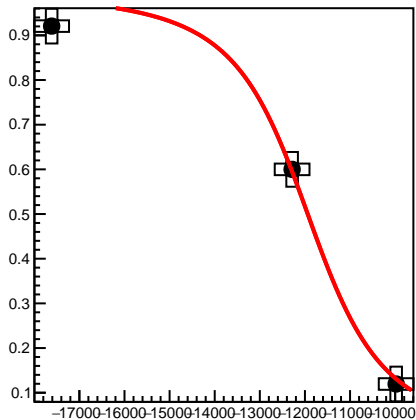
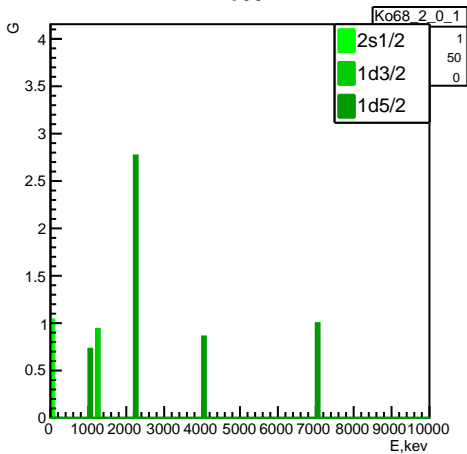
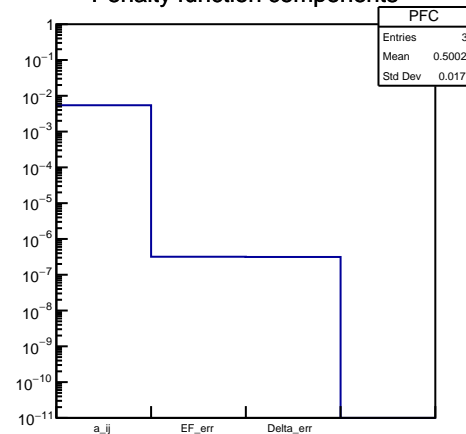


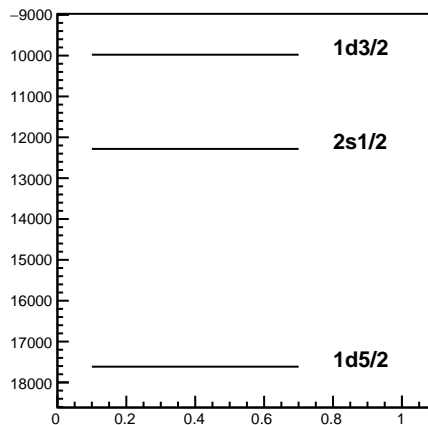
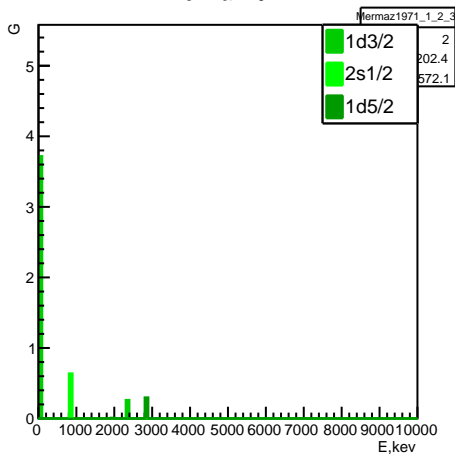
Ko68



Penalty function components



Mermaz1971



Experiment: Ko68 (6) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -11938.8 ± 207.708 keV

Δ: 1789.52 ± 555.904 keV

penalty: 0.00181503

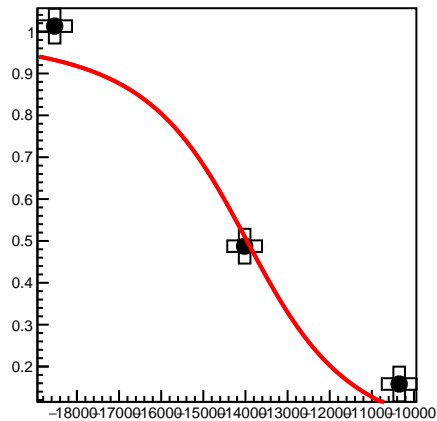
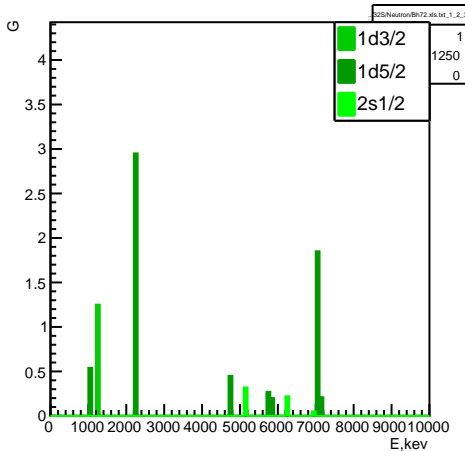
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-12284.3 2s1/2 0.6 0.84

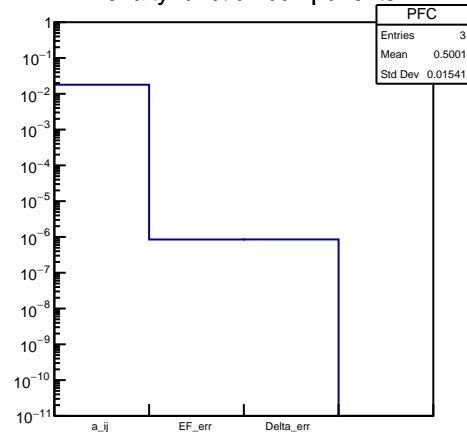
-9978.03 1d3/2 0.1195 1.231

-17614.8 1d5/2 0.920667 0.945333

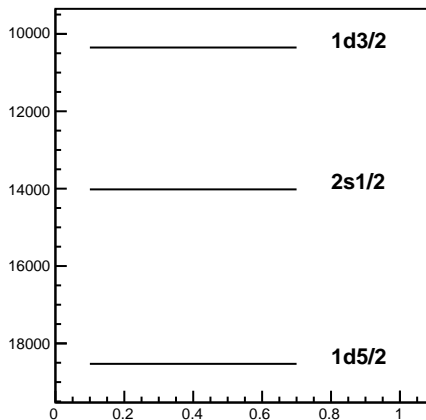
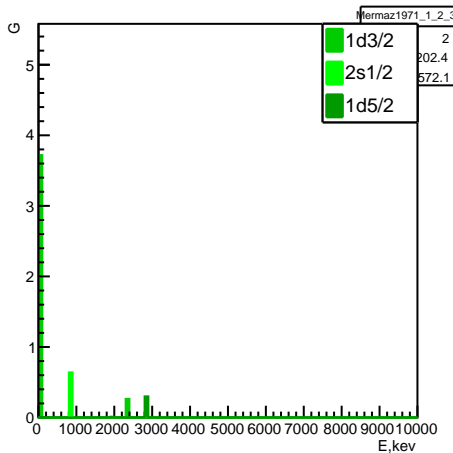
../32S/Neutron/Bh72.xls.txt



Penalty function components



Mermaz1971



Experiment: ../32S/Neutron/Bh72.xls.txt (11)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -13963.3 ± 554.068 keV

Δ: 2655.55 ± 1511.87 keV

penalty: 0.00598205

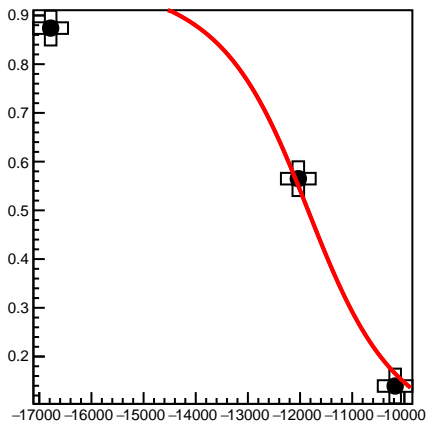
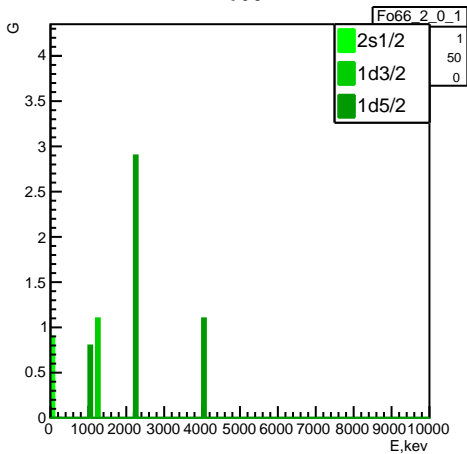
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-10352 1d3/2 0.15825 1.3085

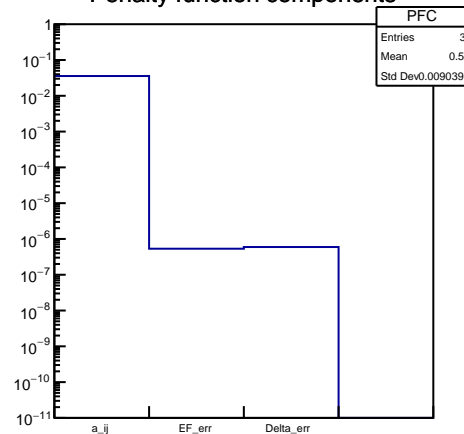
-18528.4 1d5/2 1.01317 1.13033

-14019 2s1/2 0.4875 0.615

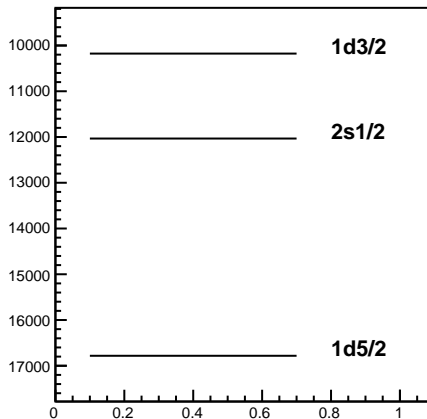
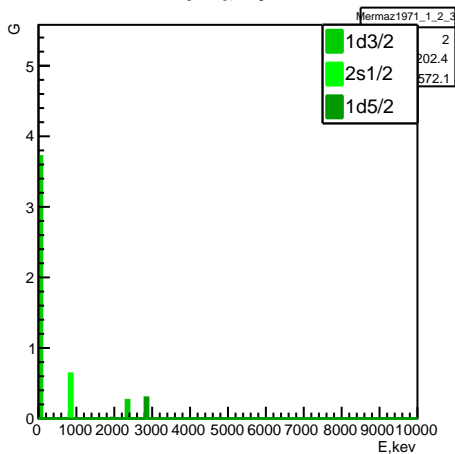
Fo66



Penalty function components



Mermaz1971



Experiment: Fo66 (5) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

 E_F : -11846.5 ± 348.362 keV Δ : 1849.62 ± 1054.47 keV

penalty: 0.0118893

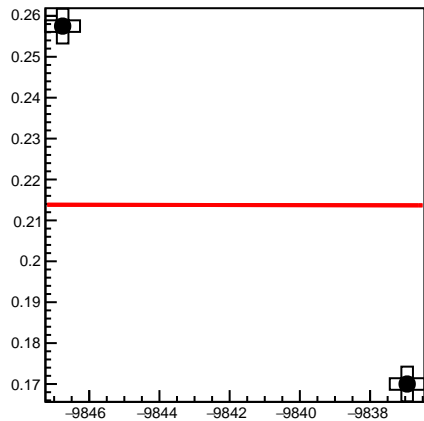
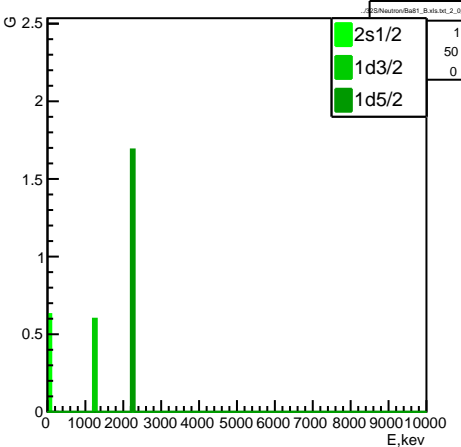
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-12033.5 2s1/2 0.565 0.77

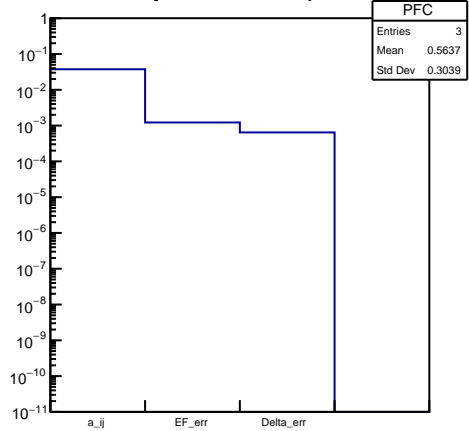
-10176.8 1d3/2 0.1395 1.271

-16781.9 1d5/2 0.874 0.852

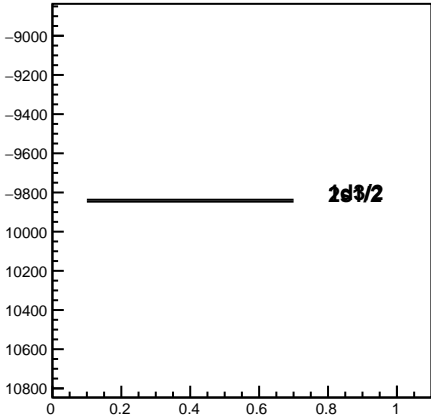
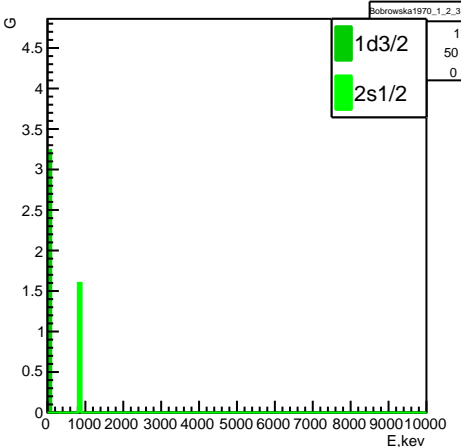
../32S/Neutron/Ba81_B.xls.txt



Penalty function components

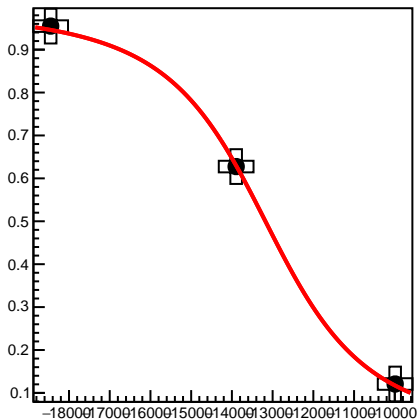
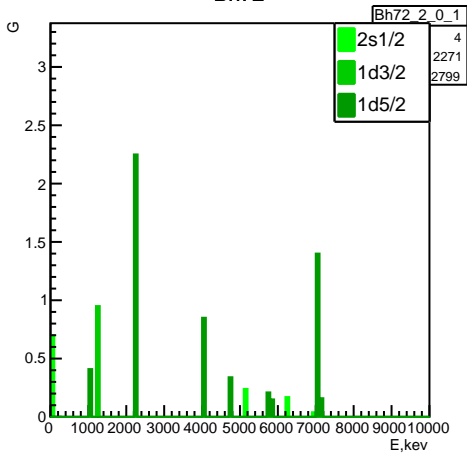


Bobrowska1970

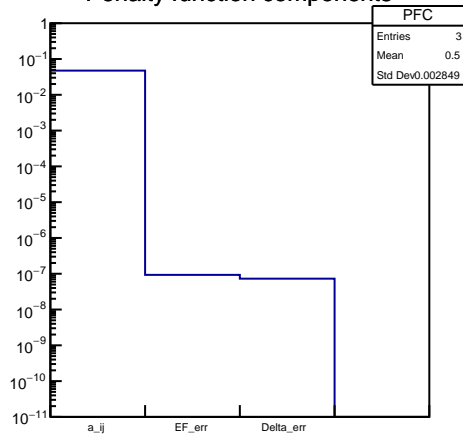


Experiment: ../32S/Neutron/Ba81_B.xls.txt (3
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -23544.9 ± 796552 keV
Δ: 19625.1 ± 1.14073e+06 keV
penalty: 0.0131216
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-9846.76 2s1/2 0.2575 1.115
-9836.94 1d3/2 0.17 0.96

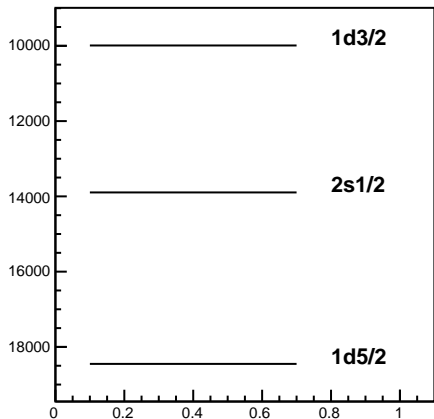
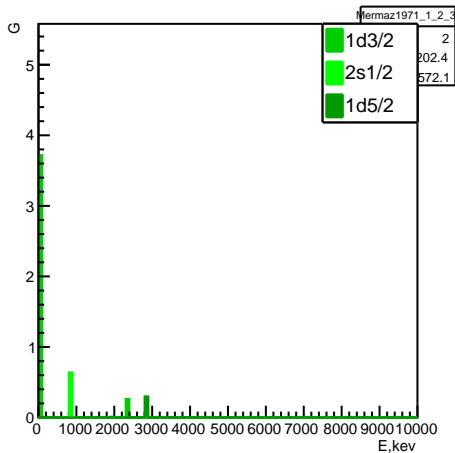
Bh72



Penalty function components



Mermaz1971



Experiment: Bh72 (13) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -13176.8 \pm 60.6903 keV Δ : 2675.23 \pm 129.147 keV

penalty: 0.0157964

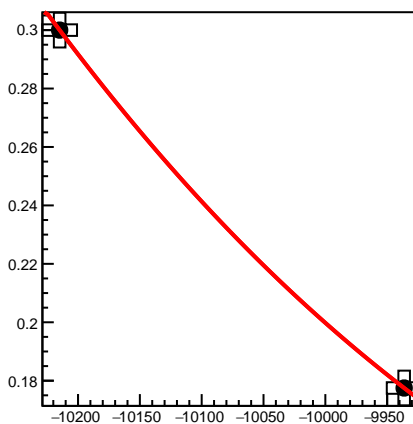
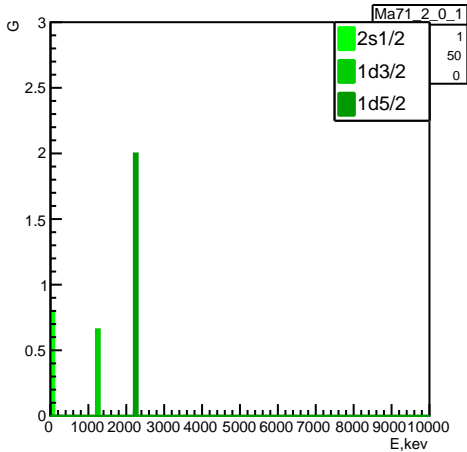
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-13895.4 2s1/2 0.6275 0.895

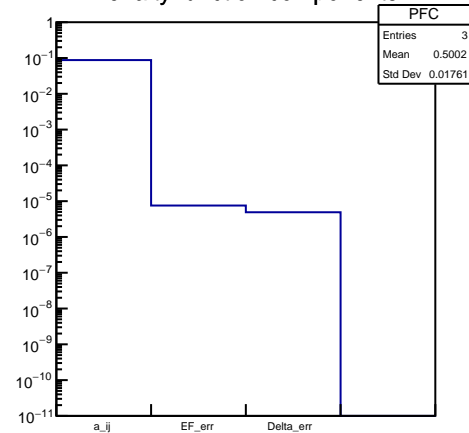
-9990.83 1d3/2 0.12075 1.2335

-18450.8 1d5/2 0.954833 1.01367

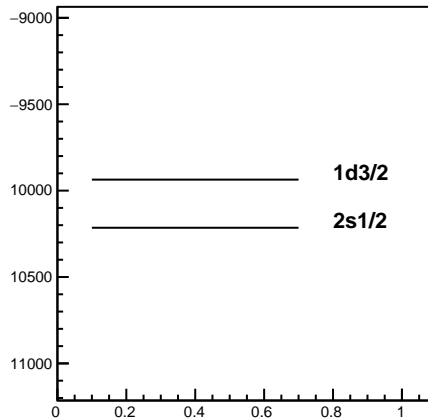
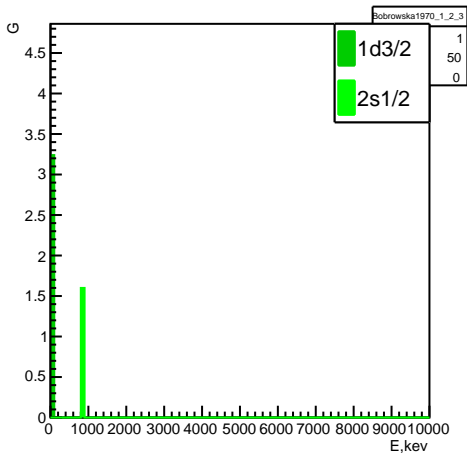
Ma71



Penalty function components



Bobrowska1970



Experiment: Ma71 (3) Bobrowska1970 (2)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -10513.2 \pm 4924.87 keV

Δ : 683.551 \pm 8682.73 keV

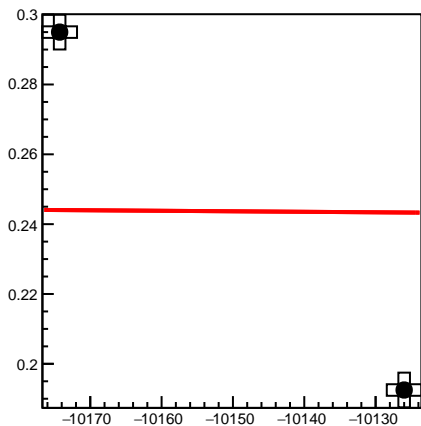
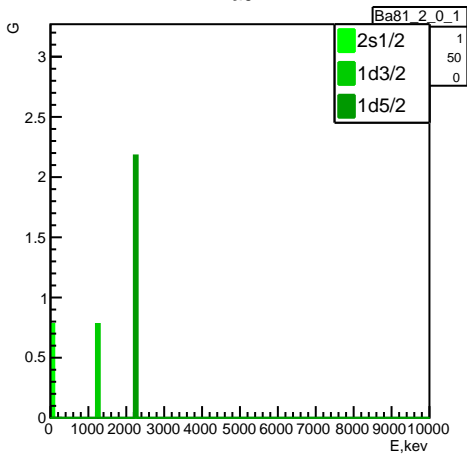
penalty: 0.0291708

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

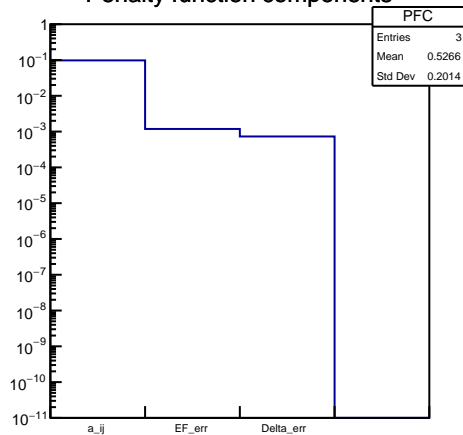
-10214.9 2s1/2 0.3 1.2

-9936.26 1d3/2 0.1775 0.975

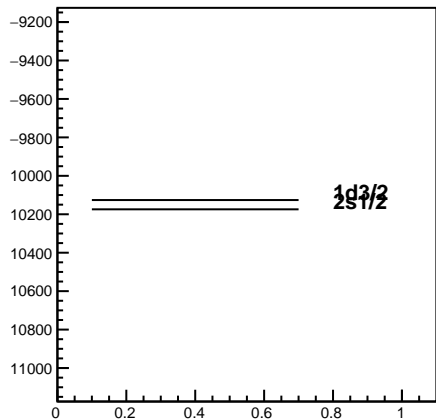
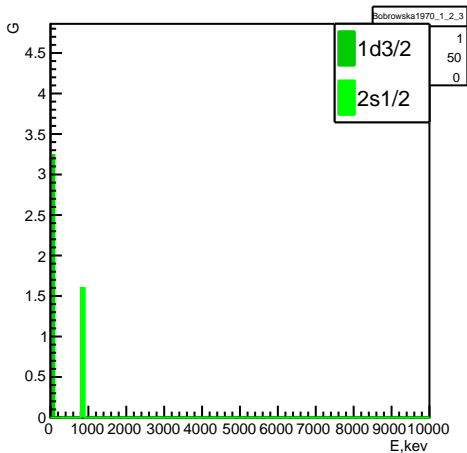
Ba81



Penalty function components

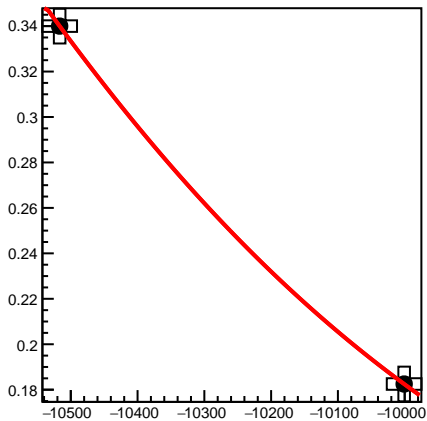
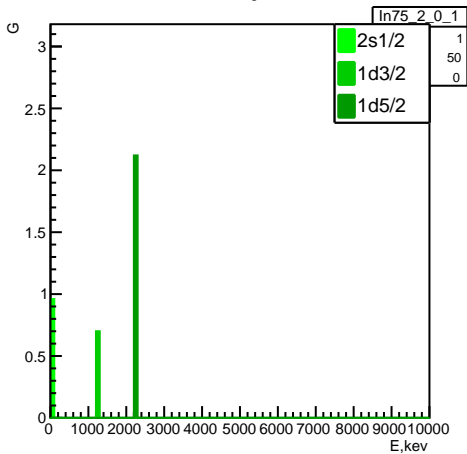


Bobrowska1970

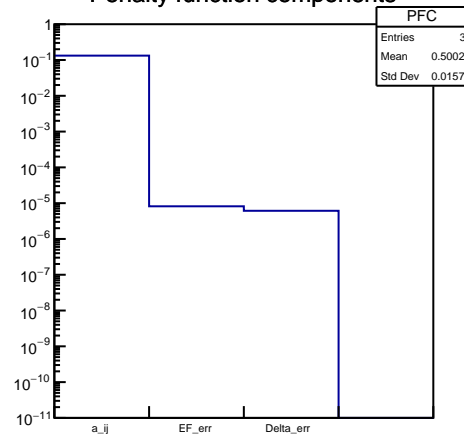


Experiment: Ba81 (3) Bobrowska1970 (2)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
 E_F : -23199.8 ± 772566 keV
 Δ : $21857 \pm 1.29317e+06$ keV
penalty: 0.033138
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-10174.3 2s1/2 0.295 1.19
-10126 1d3/2 0.1925 1.005

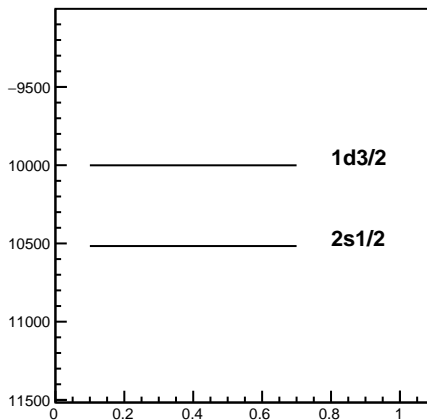
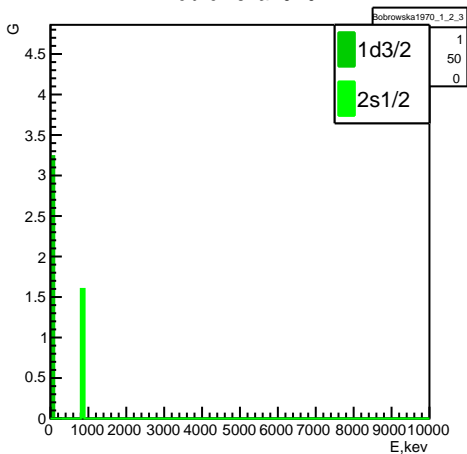
In75



Penalty function components



Bobrowska1970



Experiment: In75 (3) Bobrowska1970 (2)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -10876.5 \pm 5331.67 keV

Δ : 1065.29 \pm 10846.7 keV

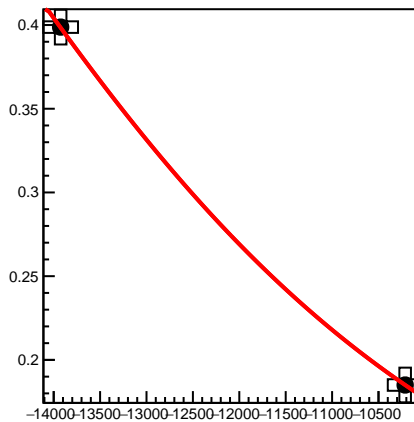
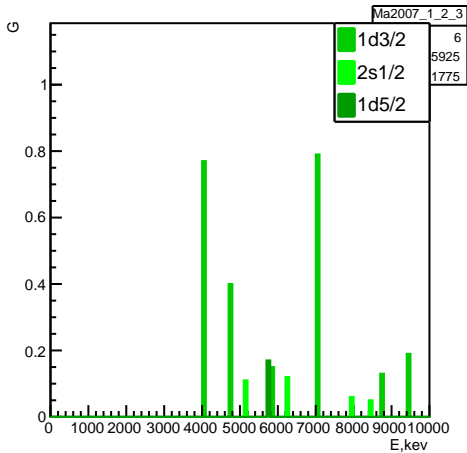
penalty: 0.0441714

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

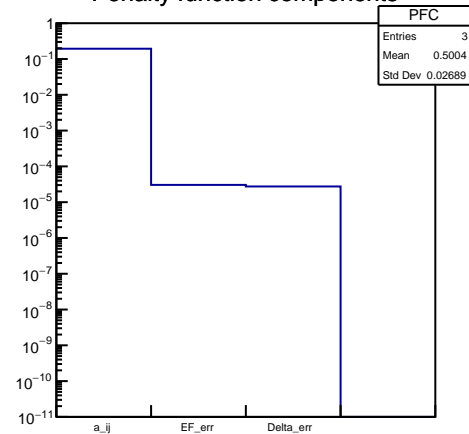
-10516.7 2s1/2 0.34 1.28

-10000.8 1d3/2 0.1825 0.985

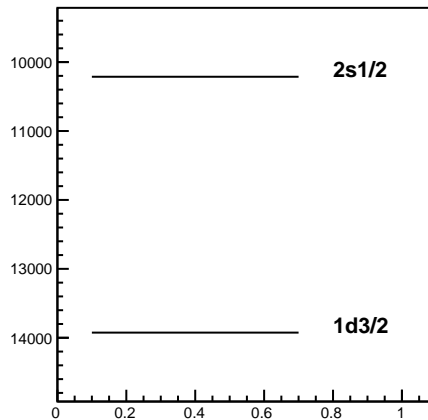
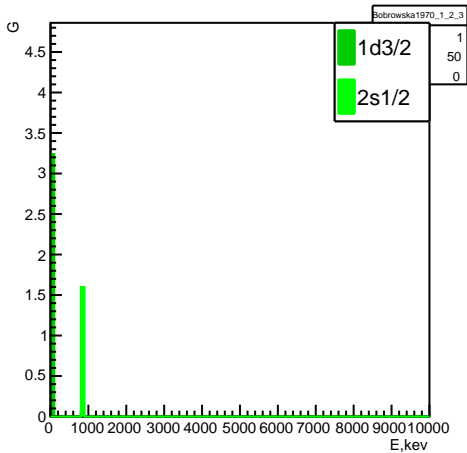
Ma2007



Penalty function components



Bobrowska1970



Experiment: Ma2007 (11) Bobrowska1970 (2)
neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -15201.2 ± 19819.5 keV

Δ: 6149.38 ± 48653.9 keV

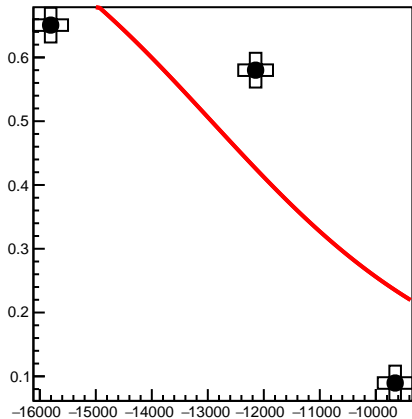
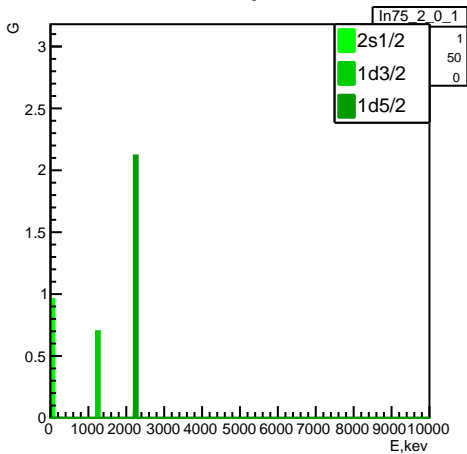
penalty: 0.0646026

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

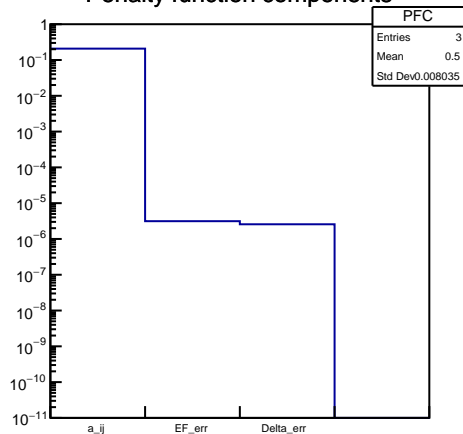
-13925.1 1d3/2 0.39875 1.4175

-10212.8 2s1/2 0.185 0.97

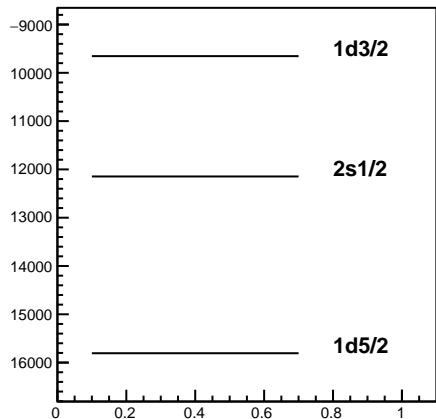
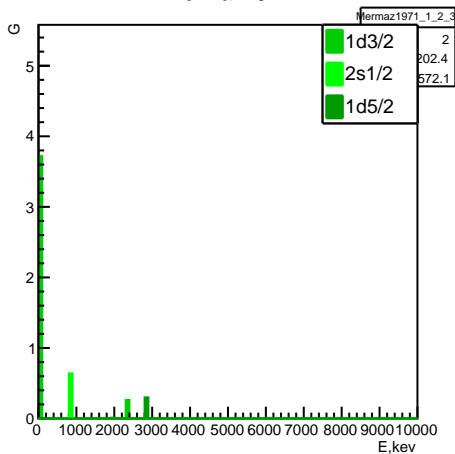
In75



Penalty function components



Mermaz1971



Experiment: In75 (3) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F : -12934.1 ± 2047.19 keV

Δ : 5249.47 ± 4554.91 keV

penalty: 0.0692982

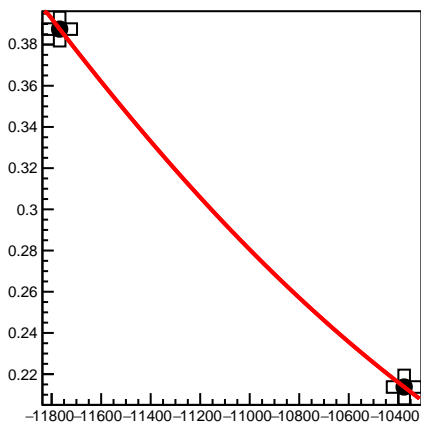
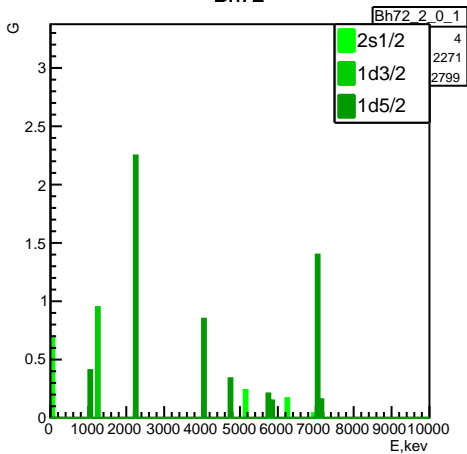
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-12146.4 2s1/2 0.58 0.8

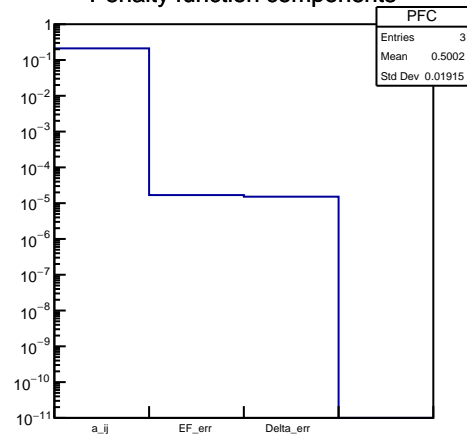
-9654.49 1d3/2 0.0895 1.171

-15806.5 1d5/2 0.650667 0.405333

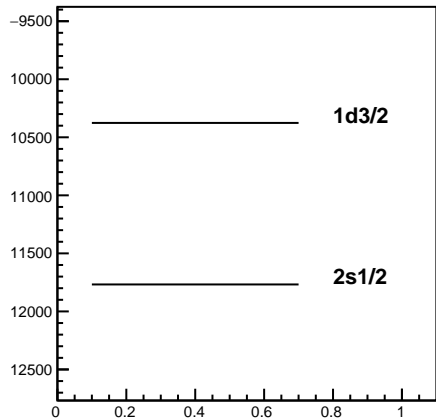
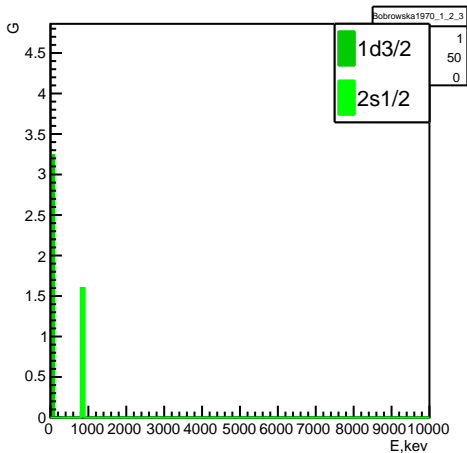
Bh72



Penalty function components

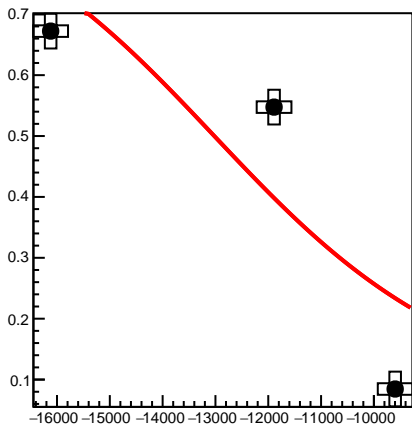
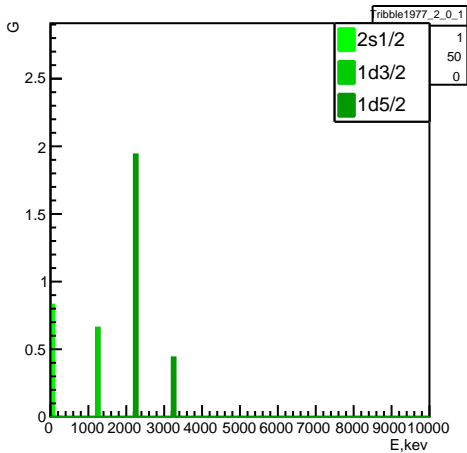


Bobrowska1970

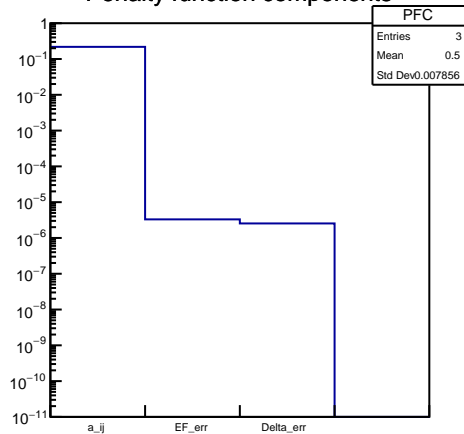


Experiment: Bh72 (13) Bobrowska1970 (2)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -12454.9 ± 10981.5 keV
Δ: 2977.3 ± 26873.5 keV
penalty: 0.0704273
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-11767.7 2s1/2 0.3875 1.375
-10376.2 1d3/2 0.21375 1.0475

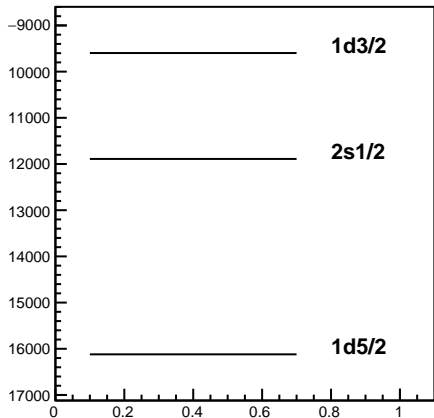
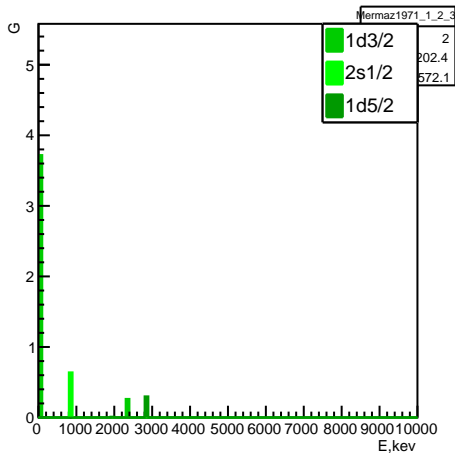
Tribble1977



Penalty function components



Mermaz1971



Experiment: Tribble1977 (4) Mermaz1971 (5)
neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -13021.4 \pm 2156.32 keV

Δ : -5442.19 \pm 4508.89 keV

penalty: 0.0728168

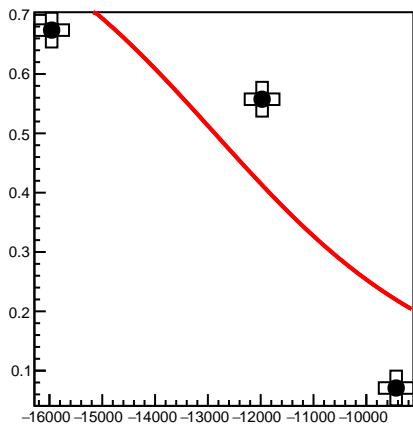
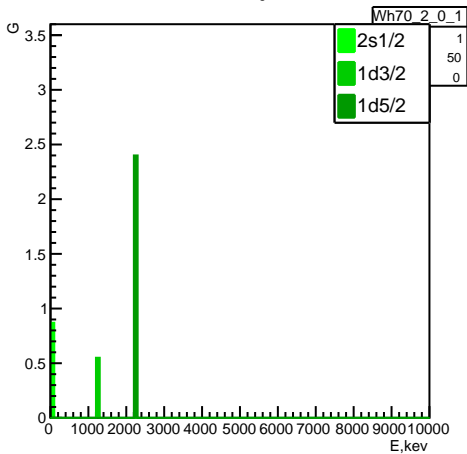
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11890.2 2s1/2 0.5475 0.735

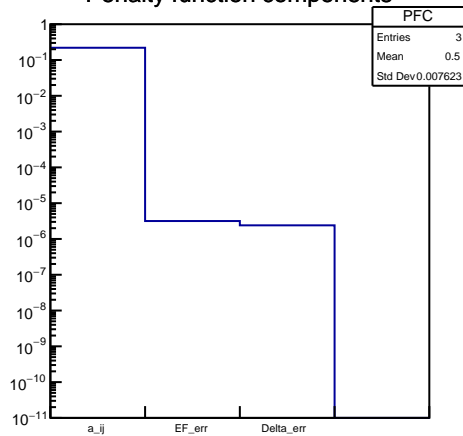
-9597.32 1d3/2 0.0845 1.161

-16120.3 1d5/2 0.672333 0.448667

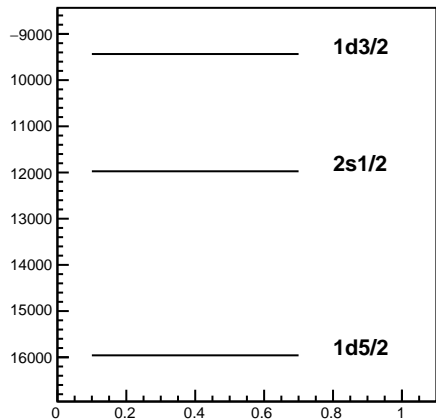
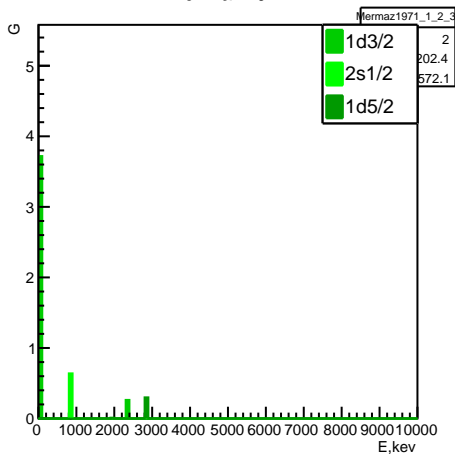
Wh70



Penalty function components



Mermaz1971



Experiment: Wh70 (3) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -12869.4 ± 2067.12 keV

Δ: 5066.17 ± 4255.25 keV

penalty: 0.0732796

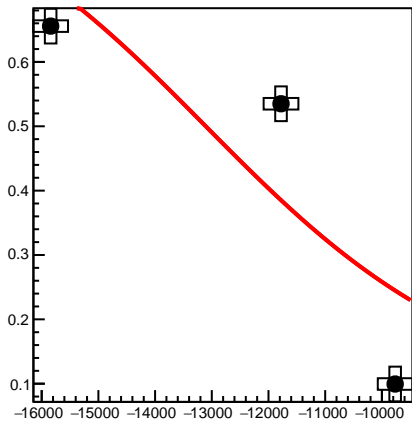
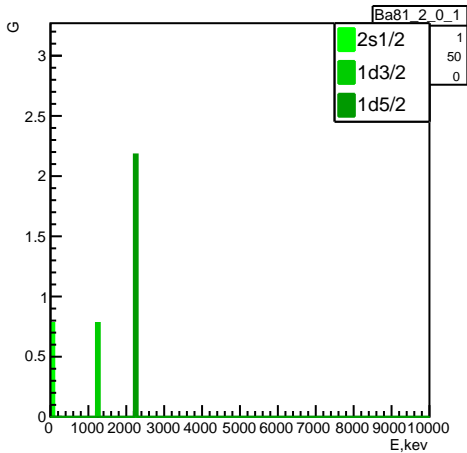
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11973.7 2s1/2 0.5575 0.755

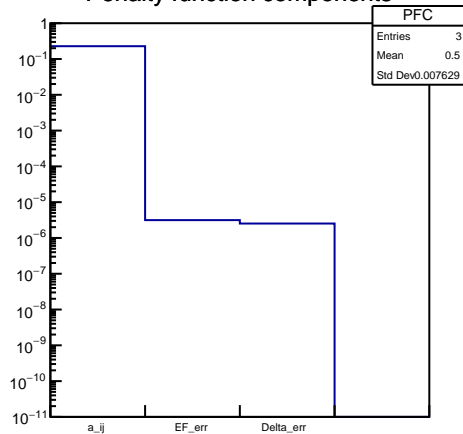
-9434.88 1d3/2 0.07075 1.1335

-15958.4 1d5/2 0.674 0.452

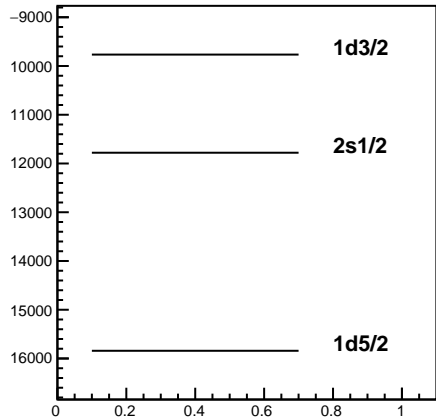
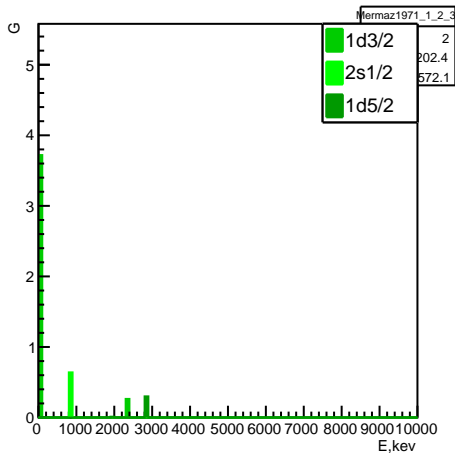
Ba81



Penalty function components



Mermaz1971



Experiment: Ba81 (3) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

 $E_F: -13105.9 \pm 2055.53 \text{ keV}$ $\Delta: 5625.44 \pm 4479.77 \text{ keV}$

penalty: 0.0759649

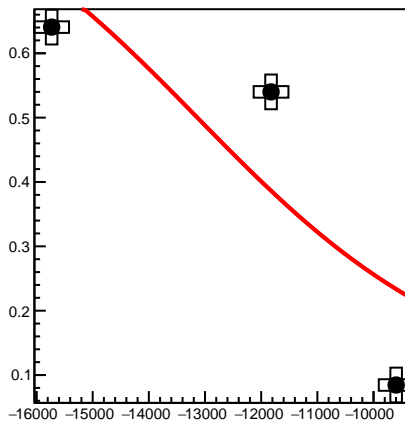
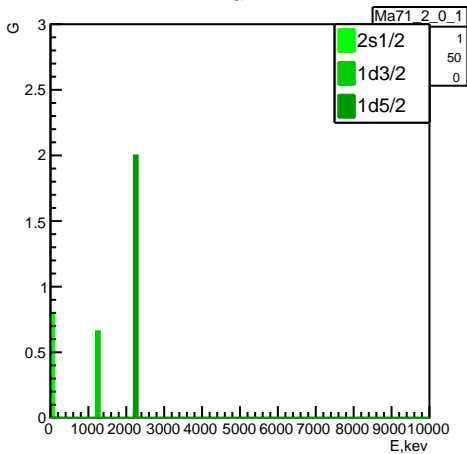
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11779.1 2s1/2 0.535 0.71

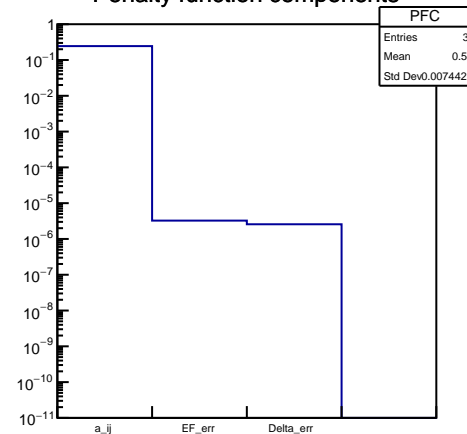
-9765.96 1d3/2 0.0995 1.191

-15841.9 1d5/2 0.655667 0.415333

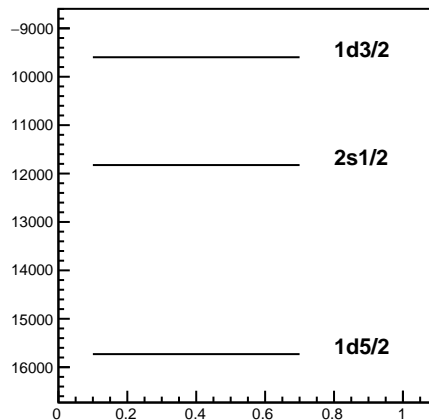
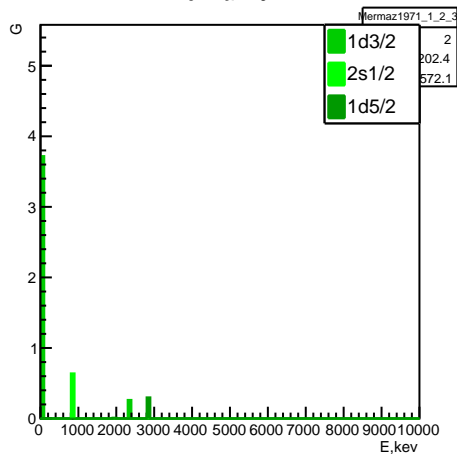
Ma71



Penalty function components



Mermaz1971



Experiment: Ma71 (3) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

 $E_F: -13135.8 \pm 2123.85$ keV $\Delta: 5619.51 \pm 4558.12$ keV

penalty: 0.0815205

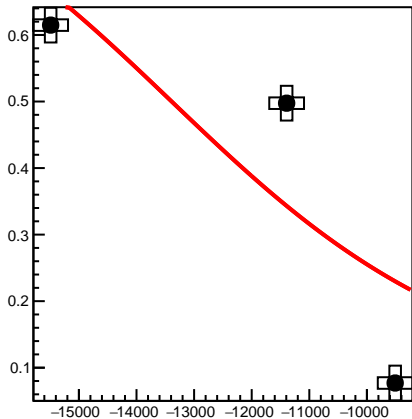
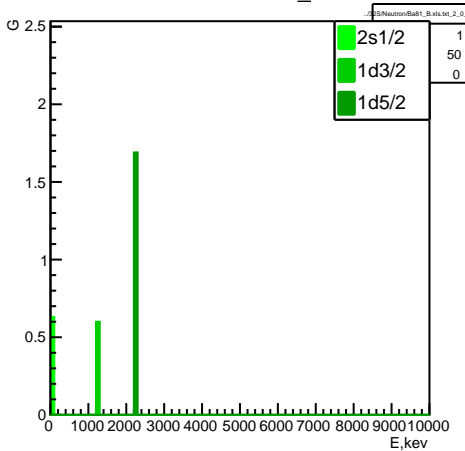
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11824.5 2s1/2 0.54 0.72

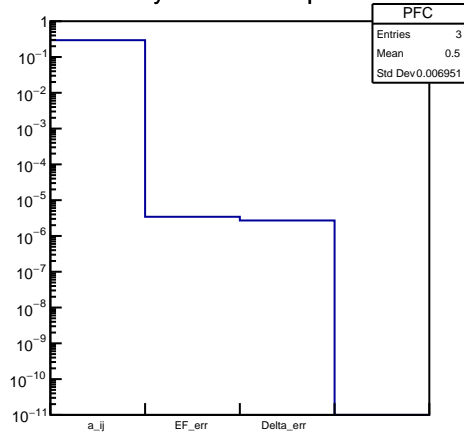
-9597.32 1d3/2 0.0845 1.161

-15730.1 1d5/2 0.640667 0.385333

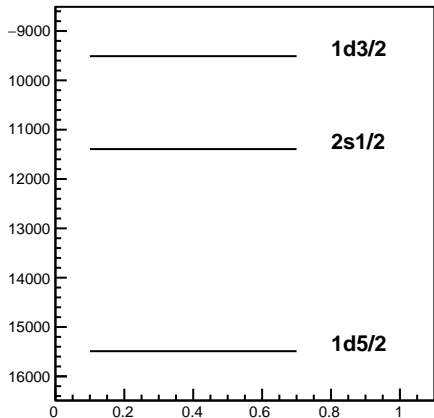
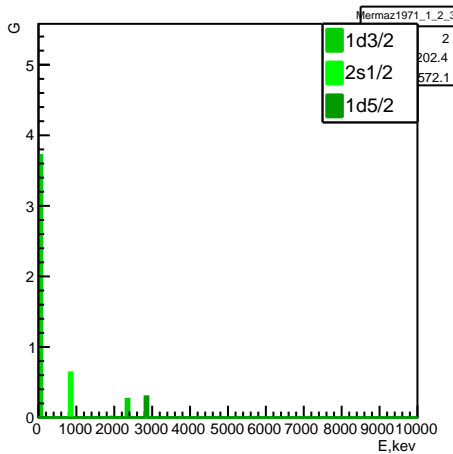
../32S/Neutron/Ba81_B.xls.txt



Penalty function components



Mermaz1971



Experiment: ../32S/Neutron/Ba81_B.xls.txt (3
neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -13389.5 \pm 2240.01 keV

Δ : 6041.98 \pm 4795.35 keV

penalty: 0.0983724

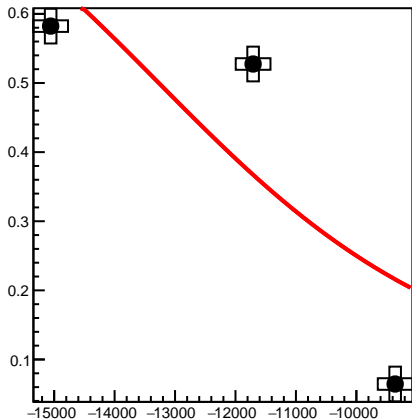
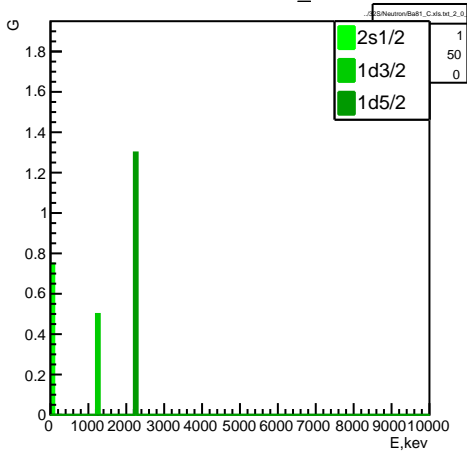
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11393.5 2s1/2 0.4975 0.635

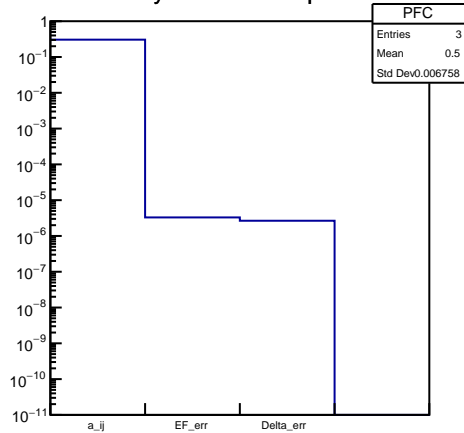
-9509.68 1d3/2 0.077 1.146

-15490.5 1d5/2 0.614833 0.333667

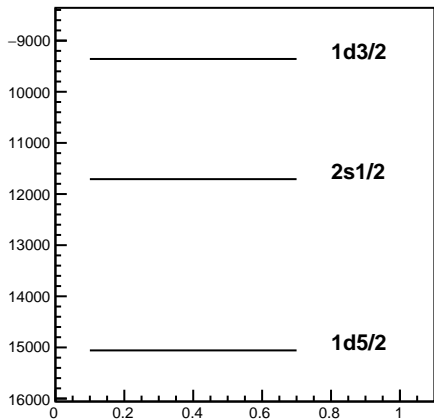
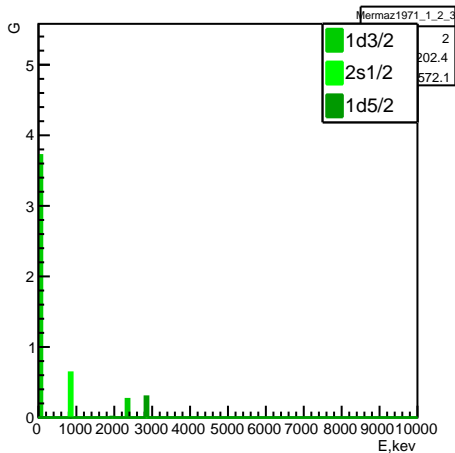
../32S/Neutron/Ba81_C.xls.txt



Penalty function components



Mermaz1971



Experiment: ../32S/Neutron/Ba81_C.xls.txt (3
neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -13268.4 ± 2149.44 keV

Δ: 5663.55 ± 4714.1 keV

penalty: 0.101706

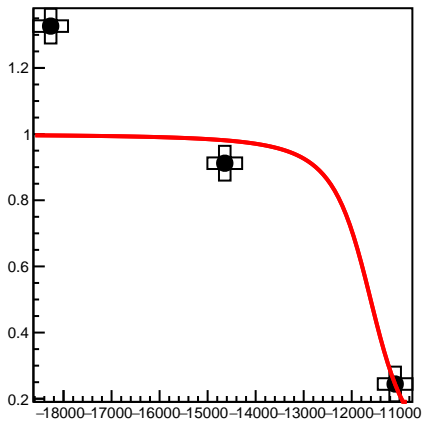
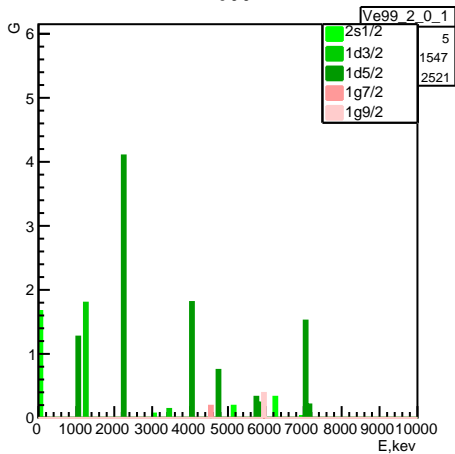
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11708.7 2s1/2 0.5275 0.695

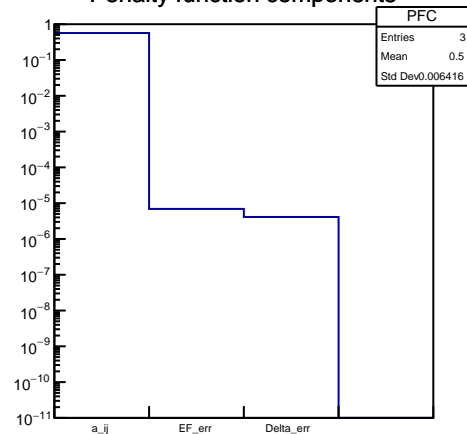
-9358.41 1d3/2 0.0645 1.121

-15058 1d5/2 0.582333 0.268667

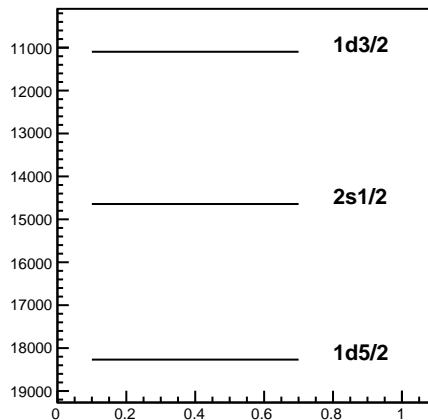
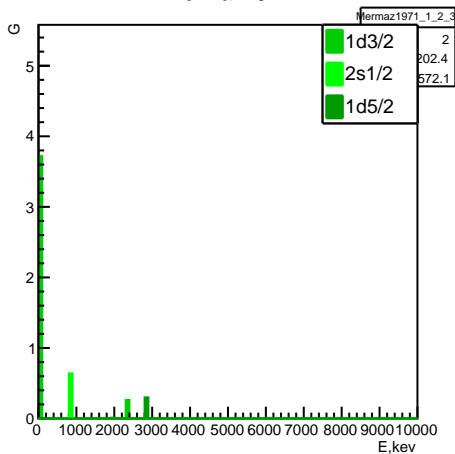
Ve99



Penalty function components



Mermaz1971



Experiment: Ve99 (17) Mermaz1971 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

 $E_F: -11607 \pm 4505.88 \text{ keV}$ $\Delta: -855.236 \pm 7286.78 \text{ keV}$

penalty: 0.189115

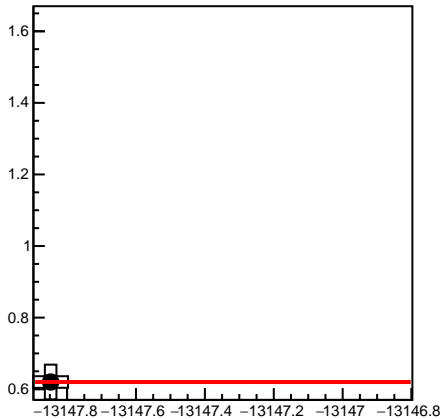
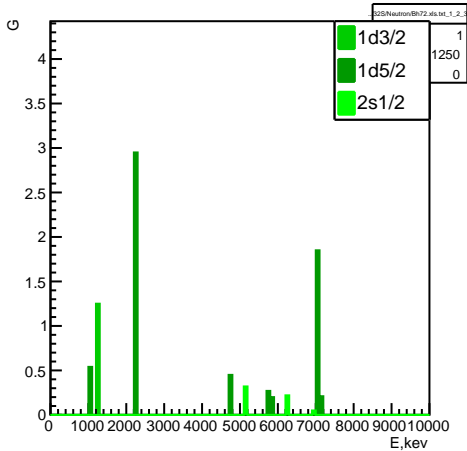
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-14643 2s1/2 0.912 1.464

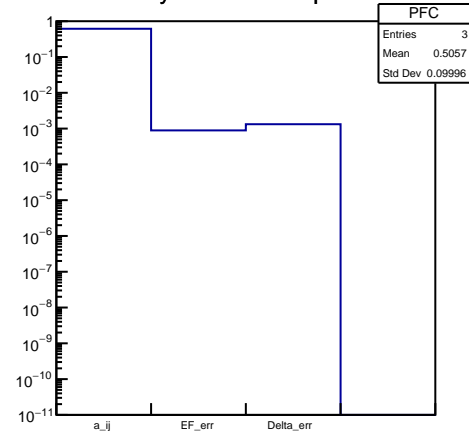
-11095.6 1d3/2 0.2445 1.481

-18268.3 1d5/2 1.3265 1.757

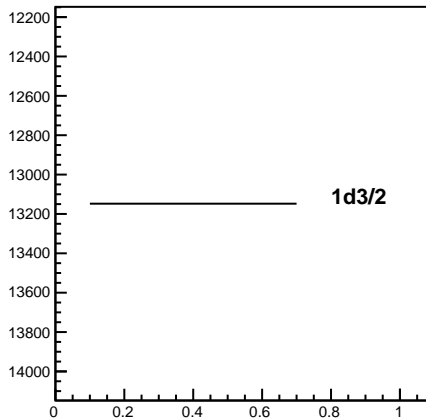
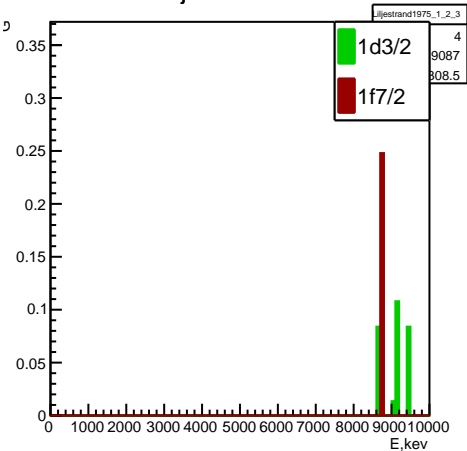
../32S/Neutron/Bh72.xls.txt



Penalty function components



Liljestrand1975



Experiment: ../32S/Neutron/Bh72.xls.txt (11)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -8996.33 ± 580518 keV

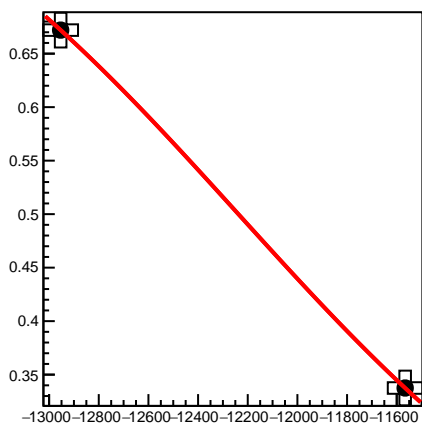
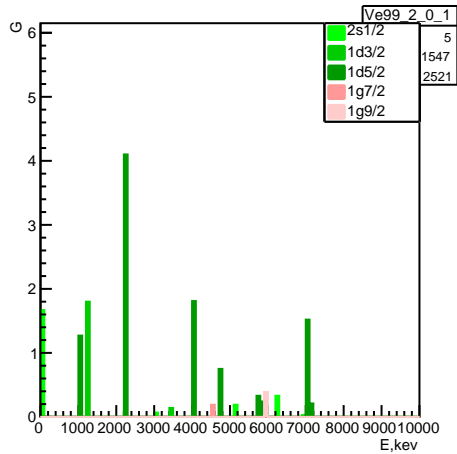
Δ: 16784.9 ± 2.34706e+06 keV

penalty: 0.205771

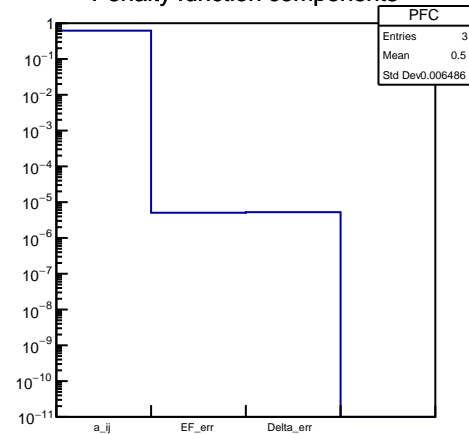
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-13147.8 1d3/2 0.62005 0.3849

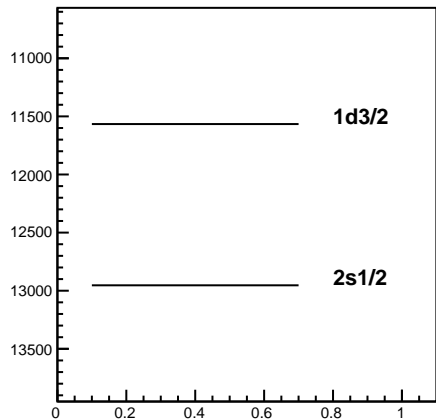
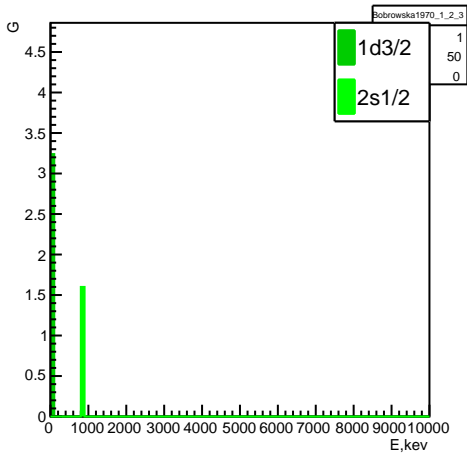
Ve99



Penalty function components

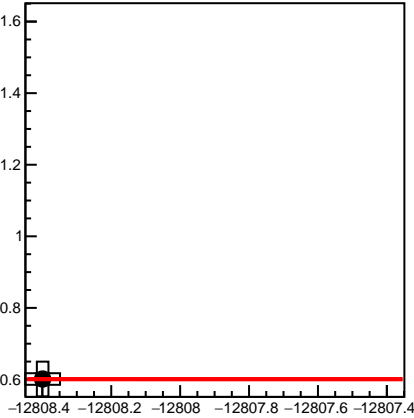
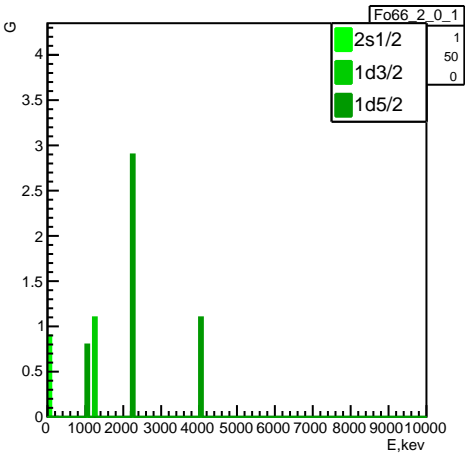


Bobrowska1970

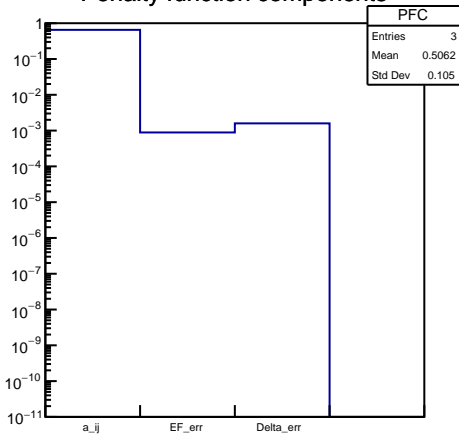


Experiment: Ve99 (17) Bobrowska1970 (2)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -12237.6 ± 3302.25 keV
 Δ : 1953.92 ± 9301.03 keV
penalty: 0.206503
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-12953.5 2s1/2 0.672 1.944
-11566 1d3/2 0.3375 1.295

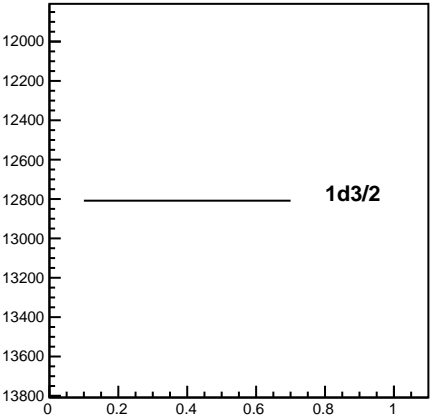
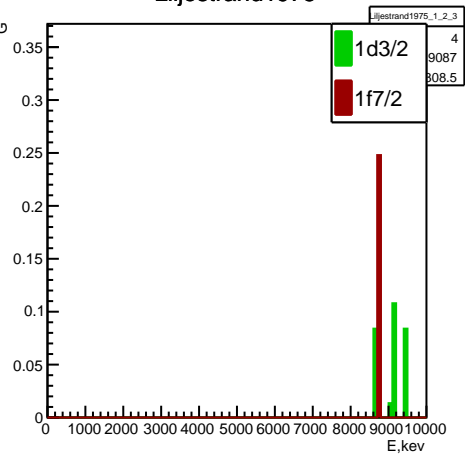
Fo66



Penalty function components

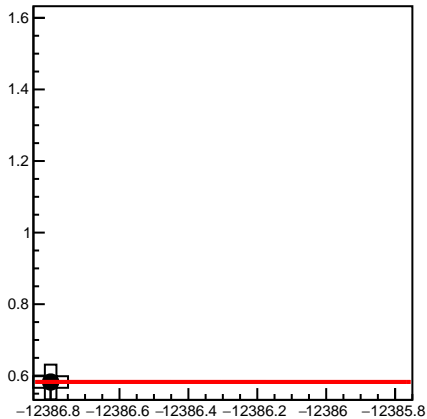
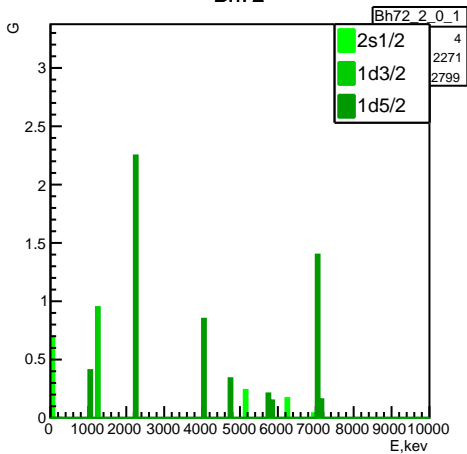


Liljestrand1975

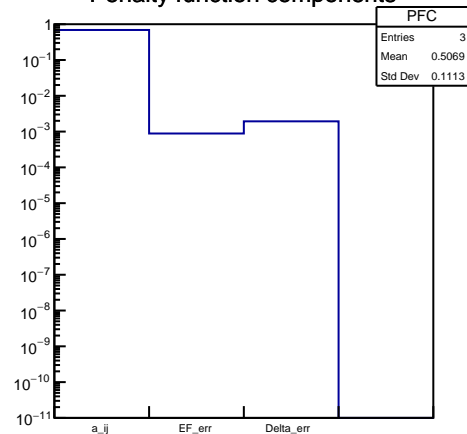


Experiment: Fo66 (5) Liljestrand1975 (5)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9271.73 \pm 578034 keV
 Δ : 17170.8 \pm 2.81903e+06 keV
penalty: 0.218359
SPE,keV nlj OCC $\frac{G^++G^-}{2J+1}$
-12808.4 1d3/2 0.6013 0.3474

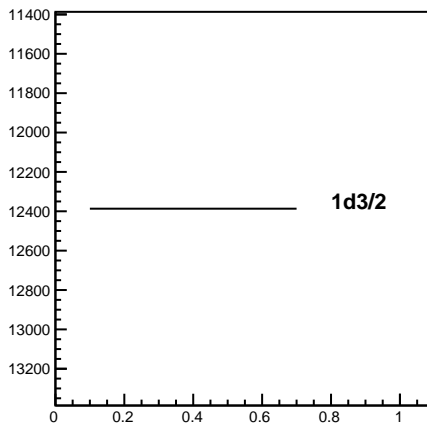
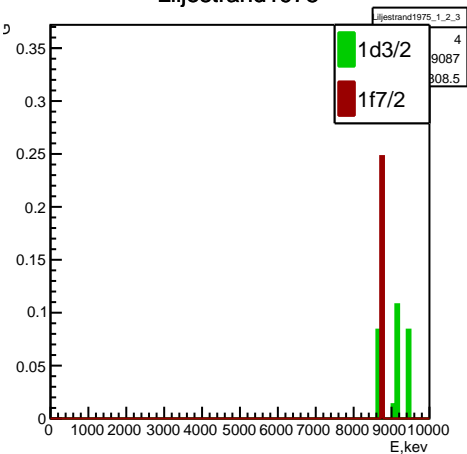
Bh72



Penalty function components

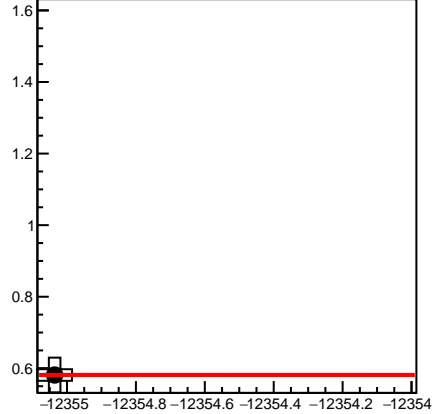
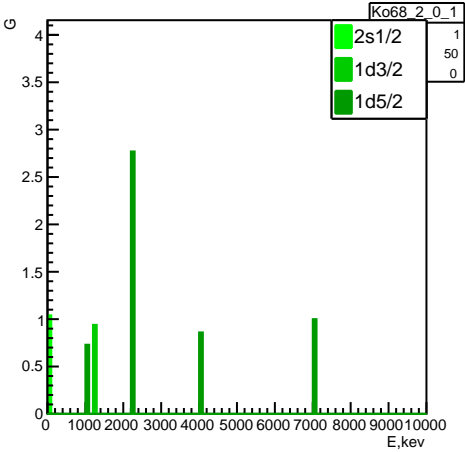


Liljestrand1975

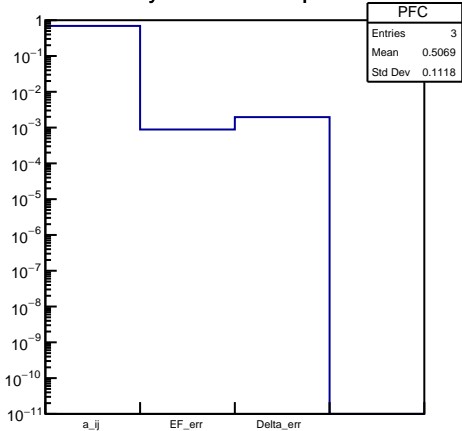


Experiment: Bh72 (13) Liljestrand1975 (5)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9451.8 ± 576733 keV
Δ: 17482.5 ± 3.42545e+06 keV
penalty: 0.230972
SPE,keV nlj OCC $\frac{G^++G^-}{2J+1}$
-12386.8 1d3/2 0.58255 0.3099

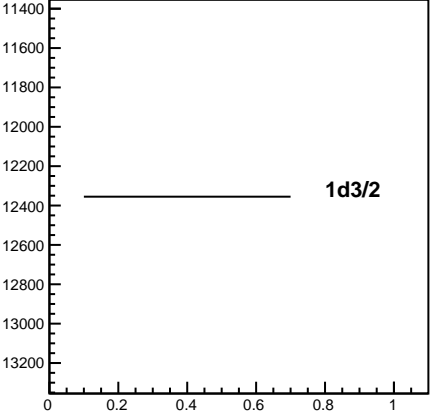
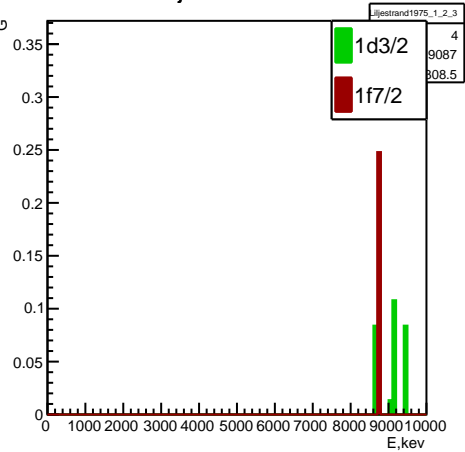
Ko68



Penalty function components

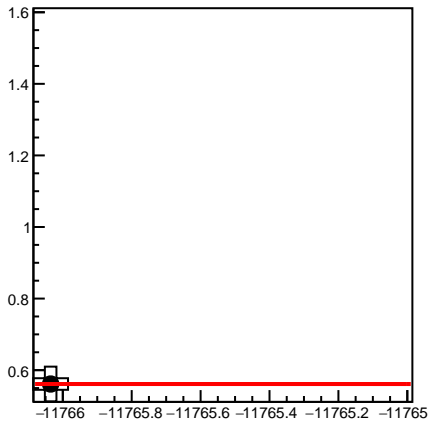
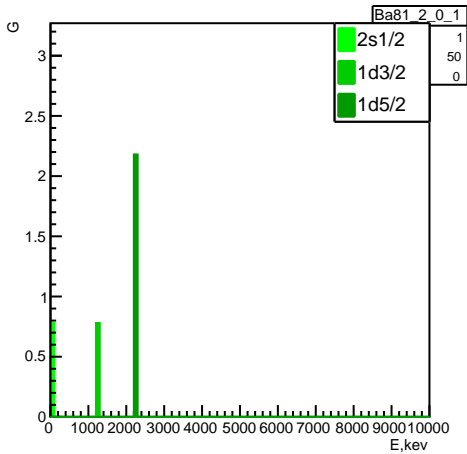


Liljestrand1975

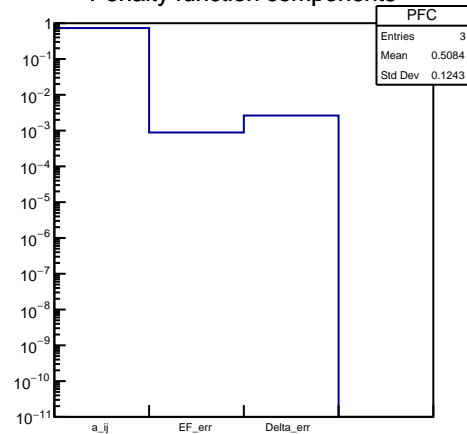


Experiment: Ko68 (6) Liljestrand1975 (5)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9460.21 ± 576685 keV
Δ: 17501.6 ± 3.47375e+06 keV
penalty: 0.231815
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-12355 1d3/2 0.5813 0.3074

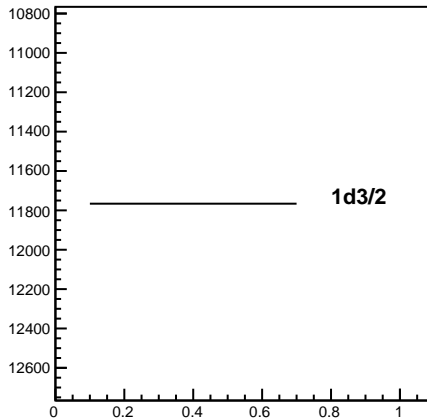
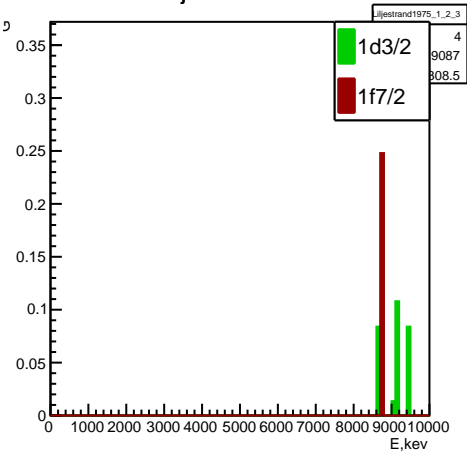
Ba81



Penalty function components



Liljestrand1975



Experiment: Ba81 (3) Liljestrand1975 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

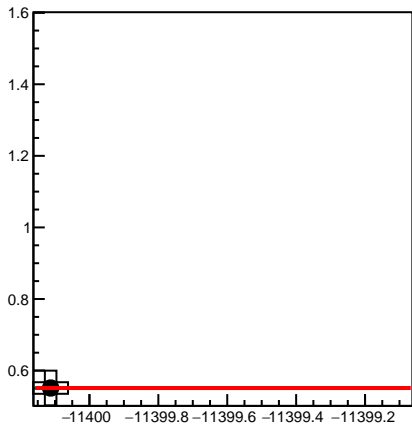
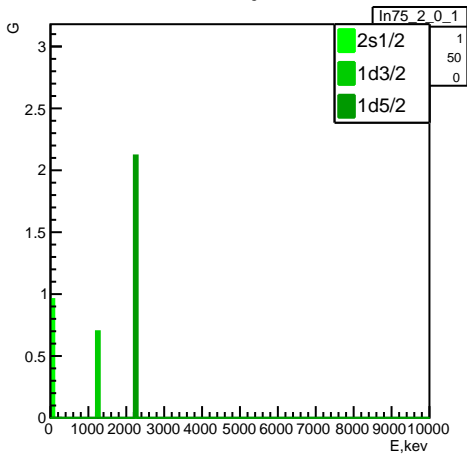
 $E_F: -9565.06 \pm 576630 \text{ keV}$ $\Delta: 17816.3 \pm 4.66745e+06 \text{ keV}$

penalty: 0.245373

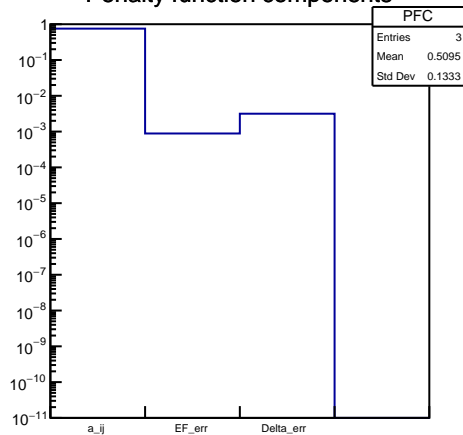
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11766 1d3/2 0.5613 0.2674

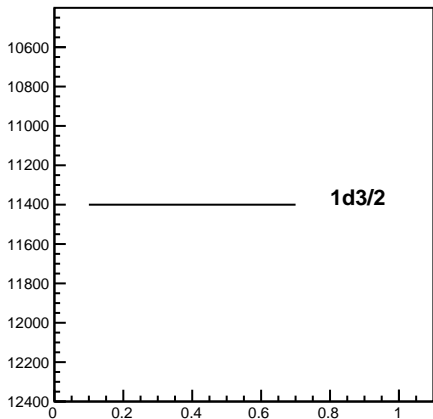
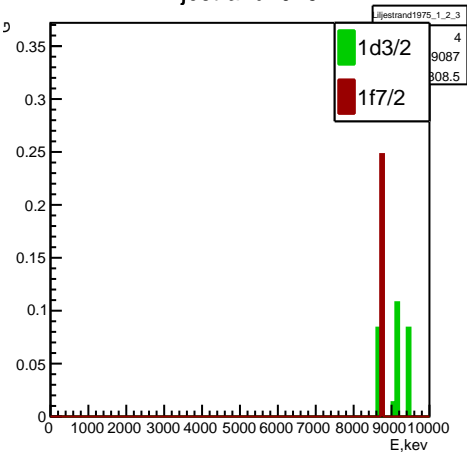
In75



Penalty function components



Liljestrand1975



Experiment: In75 (3) Liljestrand1975 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -9547.56 \pm 577269 keV

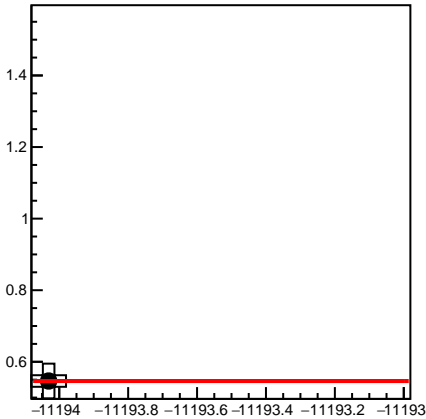
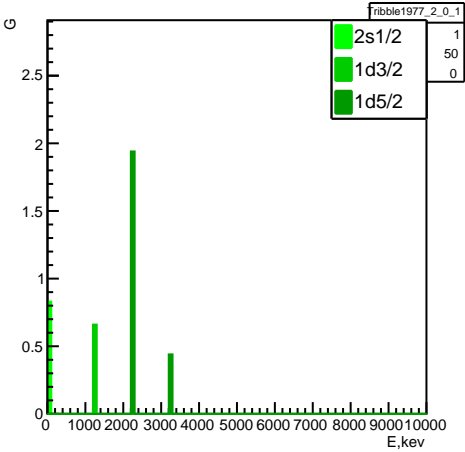
Δ : 17958.5 \pm 5.59526e+06 keV

penalty: 0.252214

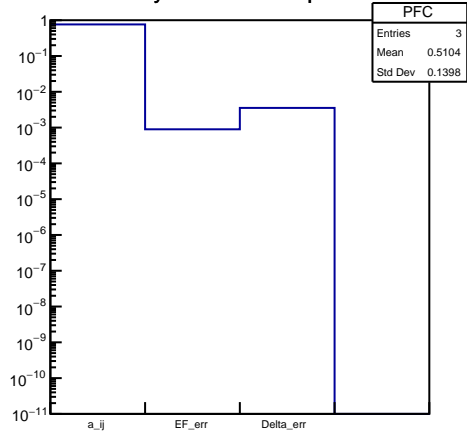
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-11400.1 1d3/2 0.5513 0.2474

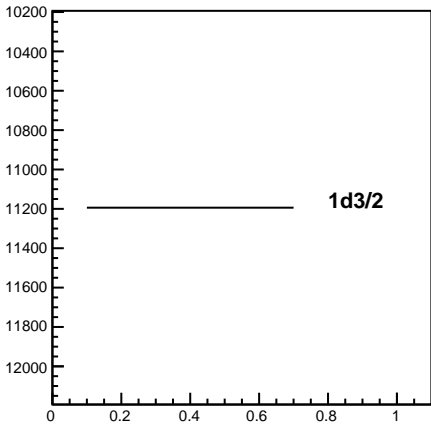
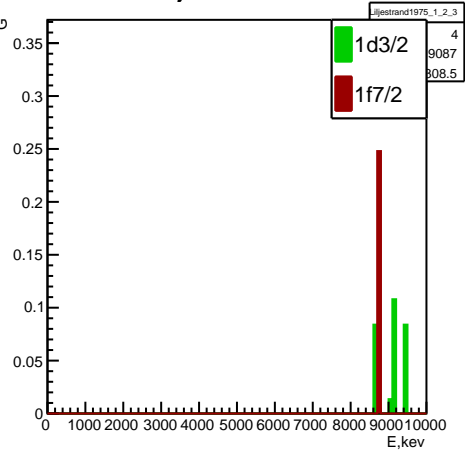
Tribble1977



Penalty function components

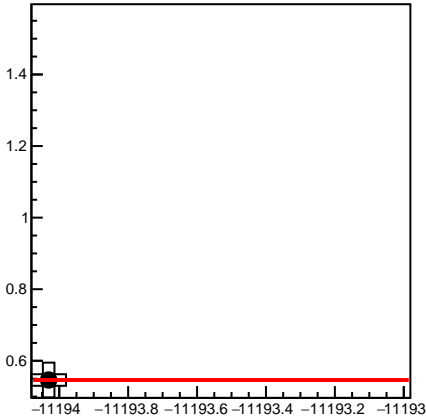
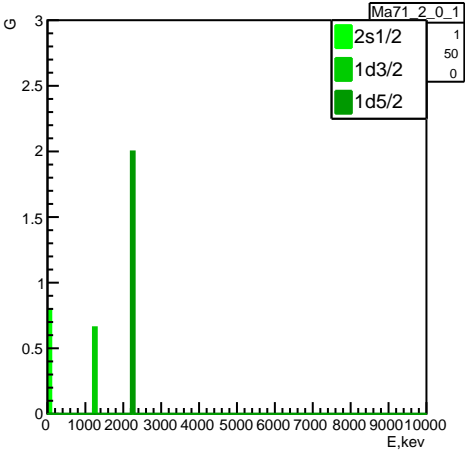


Liljestrand1975

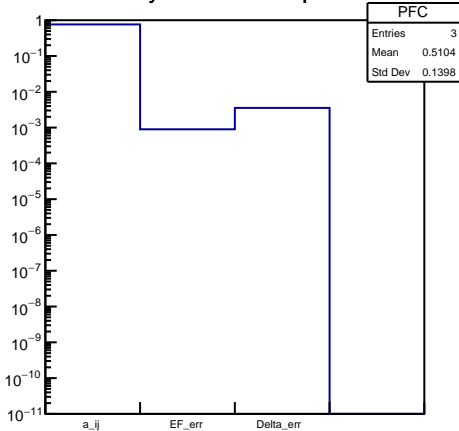


Experiment: Tribble1977 (4) Liljestrand1975
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9498.7 \pm 584169 keV
 Δ : 18227 \pm 6.27973e+06 keV
penalty: 0.25568
SPE,keV nlj OCC $\frac{G^++G^-}{2J+1}$
-11194 1d3/2 0.5463 0.2374

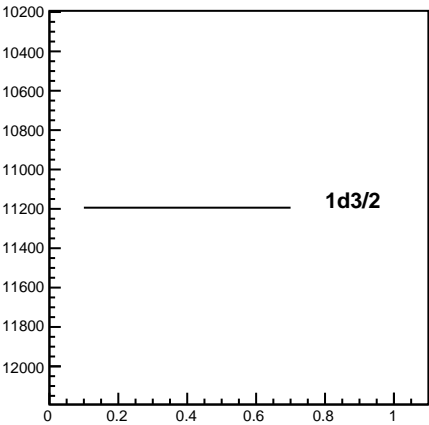
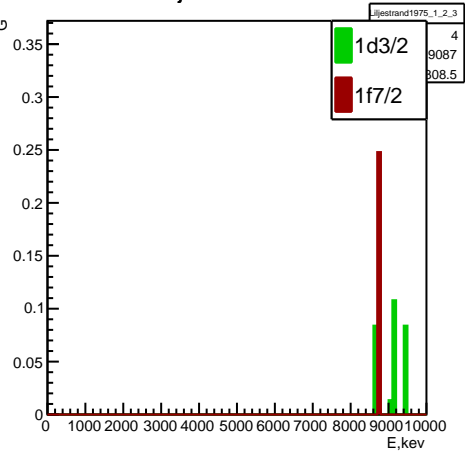
Ma71



Penalty function components

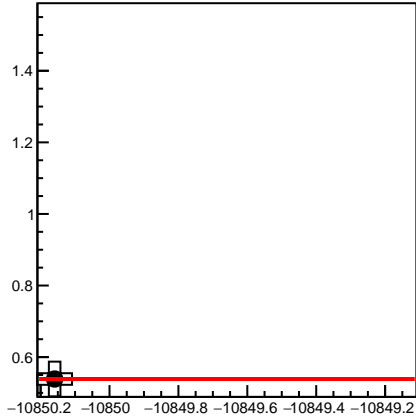
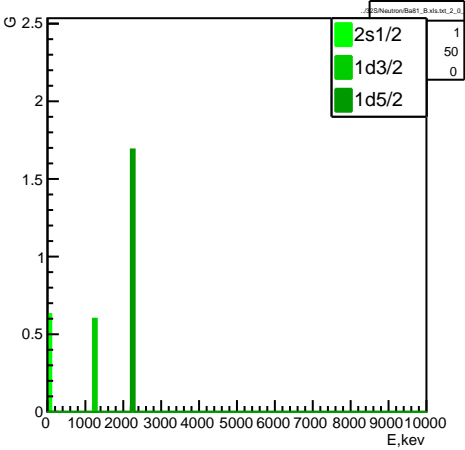


Liljestrand1975

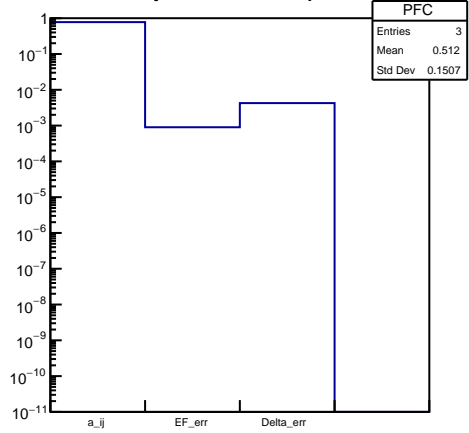


Experiment: Ma71 (3) Liljestrand1975 (5)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9498.7 ± 584169 keV
Δ: 18227 ± 6.27973e+06 keV
penalty: 0.25568
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-11194 1d3/2 0.5463 0.2374

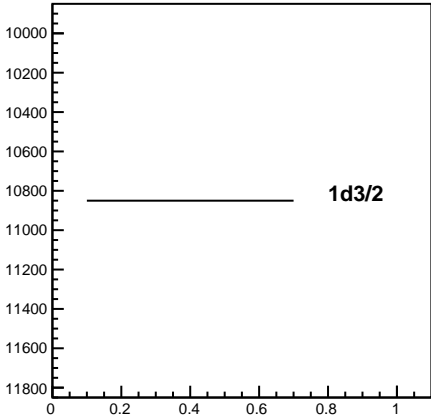
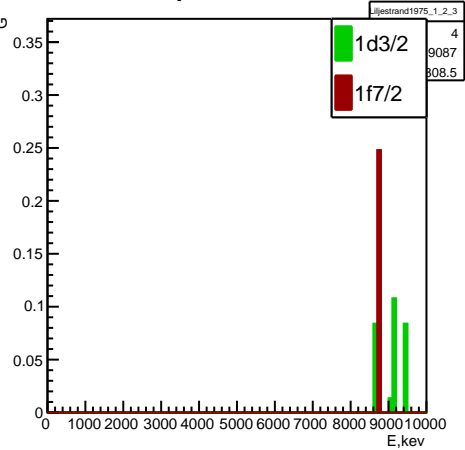
../32S/Neutron/Ba81_B.xls.txt



Penalty function components

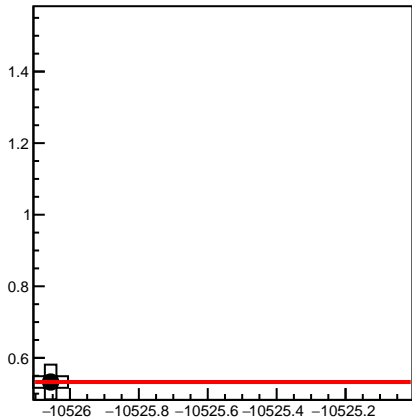
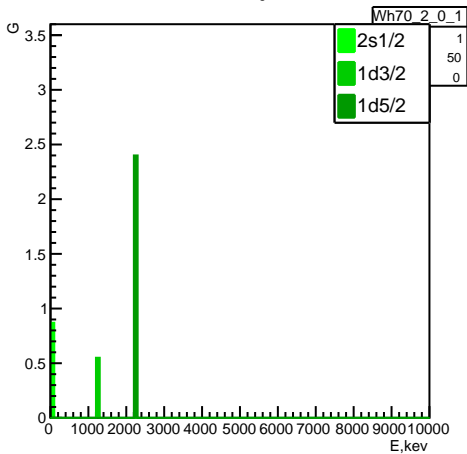


Liljestrand1975

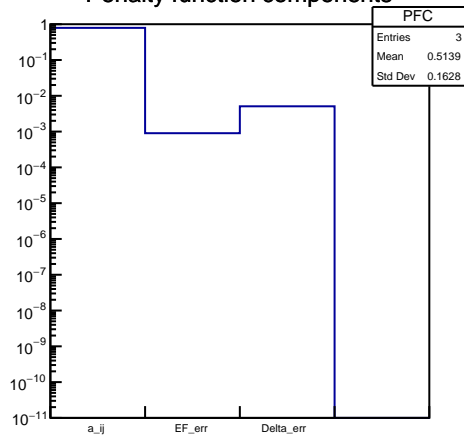


Experiment: ../32S/Neutron/Ba81_B.xls.txt (3
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9420.96 ± 586157 keV
Δ: 18359.8 ± 7.52903e+06 keV
penalty: 0.260916
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-10850.2 1d3/2 0.5388 0.2224

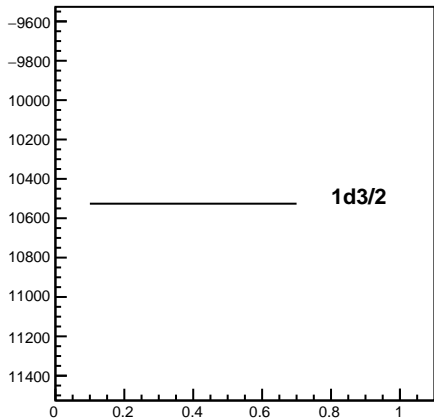
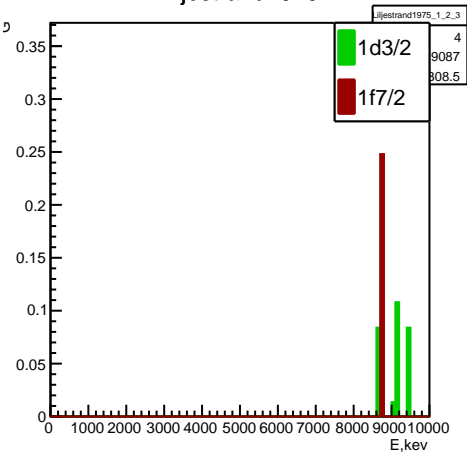
Wh70



Penalty function components

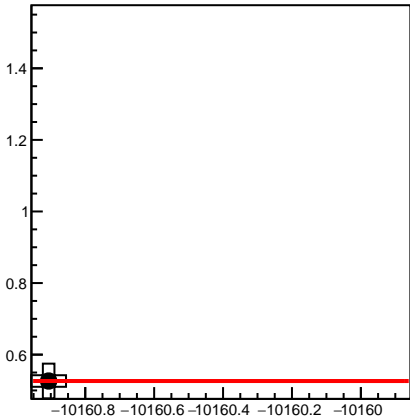
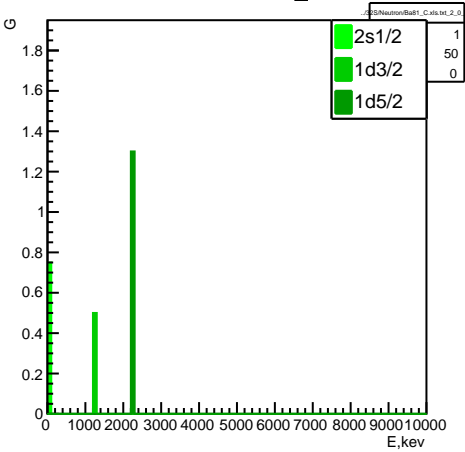


Liljestrand1975

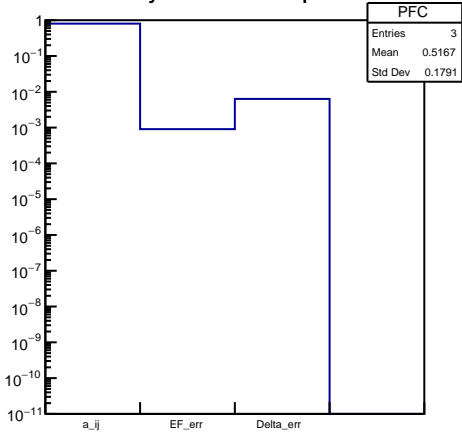


Experiment: Wh70 (3) Liljestrand1975 (5)
 neutron transfer
 n separation energy A:15043.6, A+1: 8641.47
 E_F : -9321.05 \pm 588059 keV
 Δ : 18469.1 \pm 9.01229e+06 keV
 penalty: 0.265363
 $SPE, keV \text{ nlj OCC } \frac{G^+ + G^-}{2J+1}$
 -10526.1 1d3/2 0.53255 0.2099

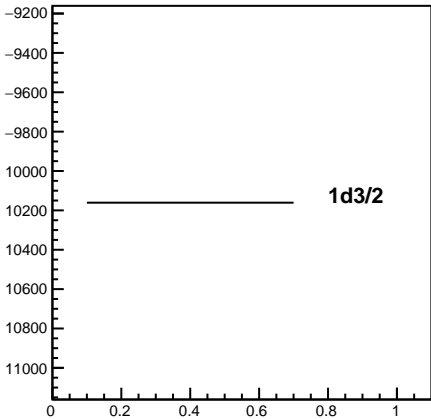
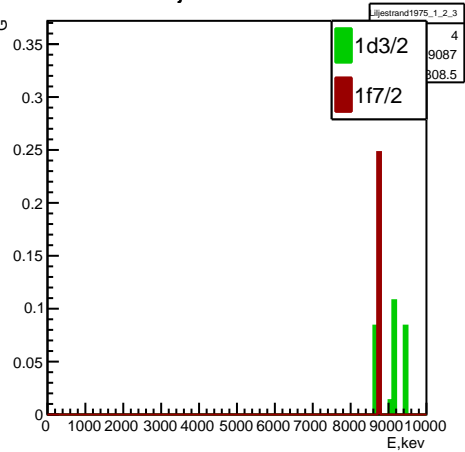
../32S/Neutron/Ba81_C.xls.txt



Penalty function components

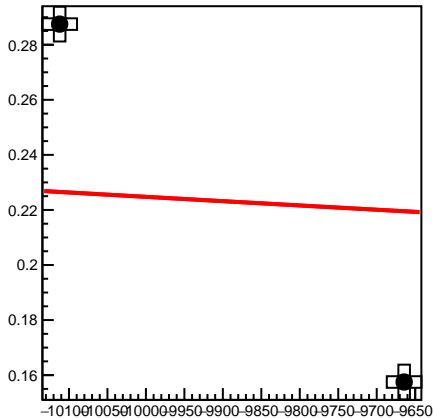
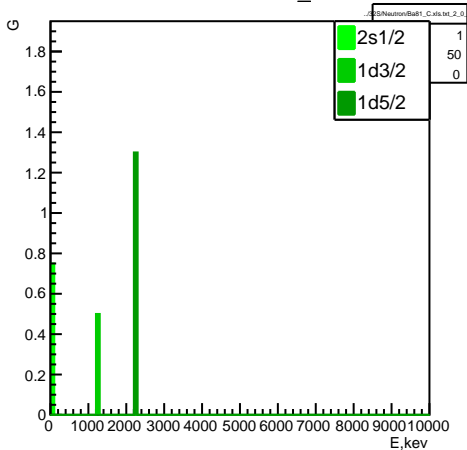


Liljestrand1975

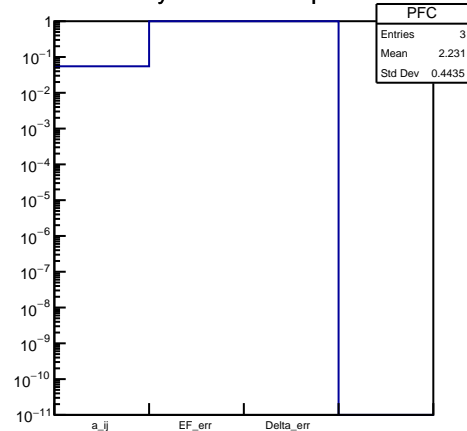


Experiment: ../32S/Neutron/Ba81_C.xls.txt (3
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -9182.39 \pm 590149 keV
 Δ : 18575.9 \pm 1.12025e+07 keV
penalty: 0.269942
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-10160.9 1d3/2 0.5263 0.1974

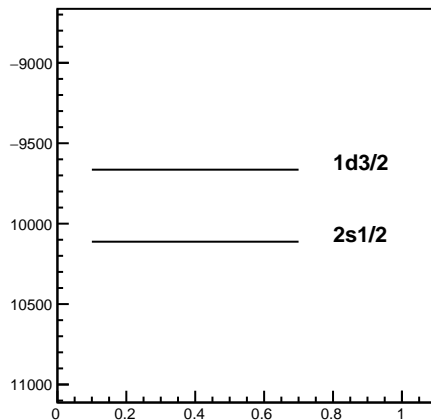
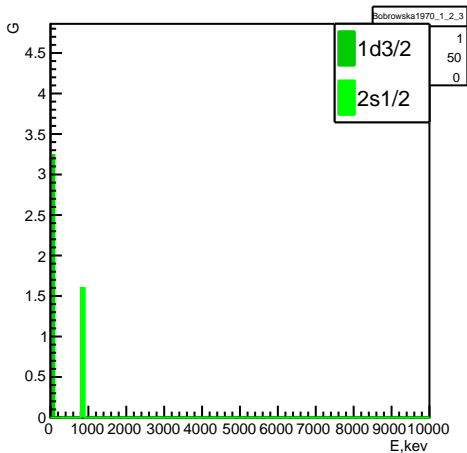
../32S/Neutron/Ba81_C.xls.txt



Penalty function components



Bobrowska1970



Experiment: ../32S/Neutron/Ba81_C.xls.txt (3
neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -22163.5 \pm 3.87447e+08 keV

Δ : 18446.7 \pm 776.371 keV

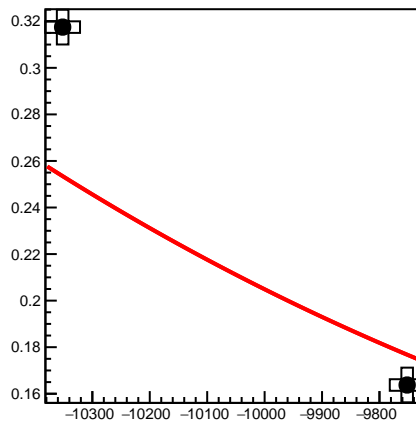
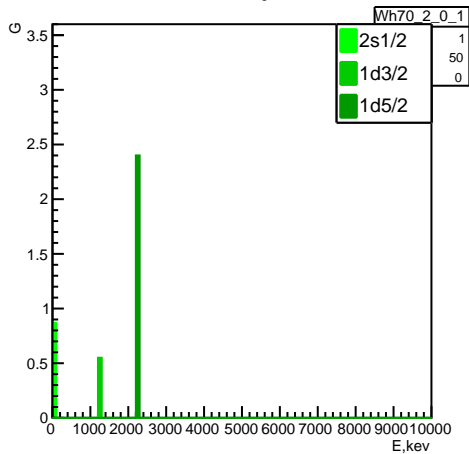
penalty: 8.08092e+08

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

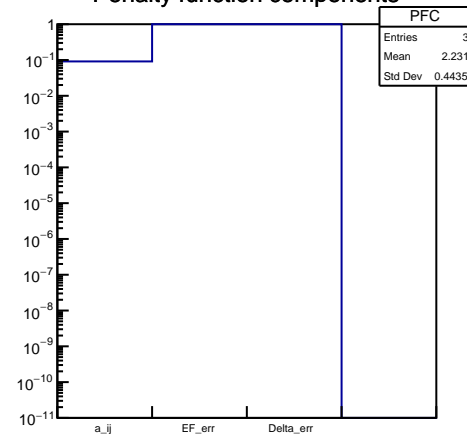
-10112.1 2s1/2 0.2875 1.175

-9664.34 1d3/2 0.1575 0.935

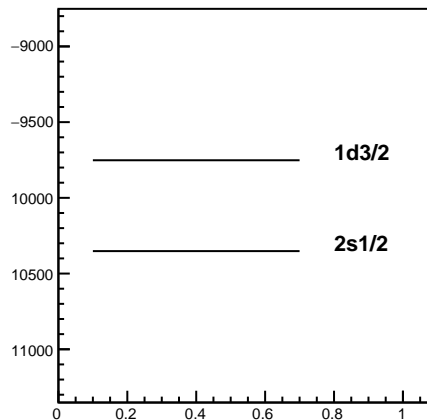
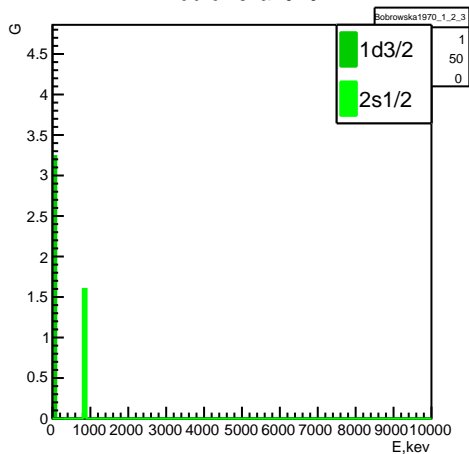
Wh70



Penalty function components

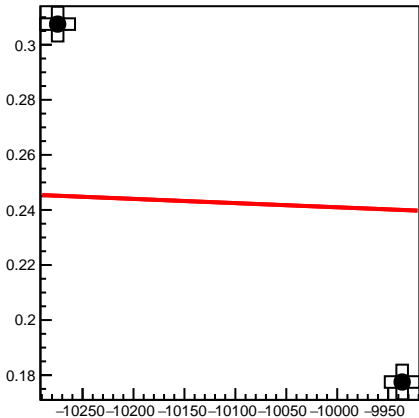
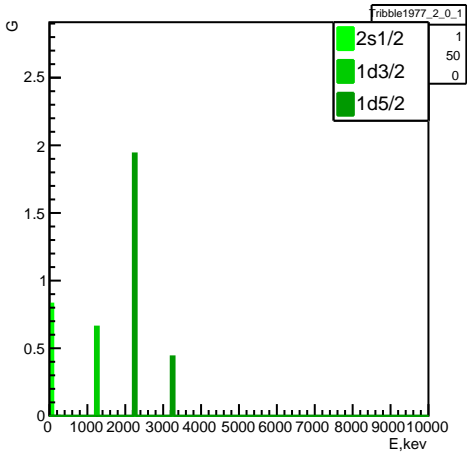


Bobrowska1970

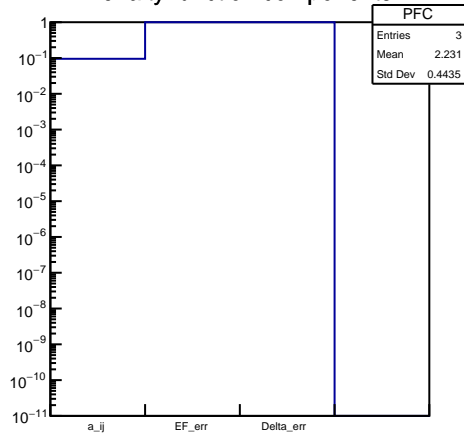


Experiment: Wh70 (3) Bobrowska1970 (2)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: $-11563.5 \pm 3.36183e+06$ keV
 Δ : 2138.3 ± 198.333 keV
penalty: $8.08092e+08$
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-10351.7 2s1/2 0.3175 1.235
-9751.78 1d3/2 0.16375 0.9475

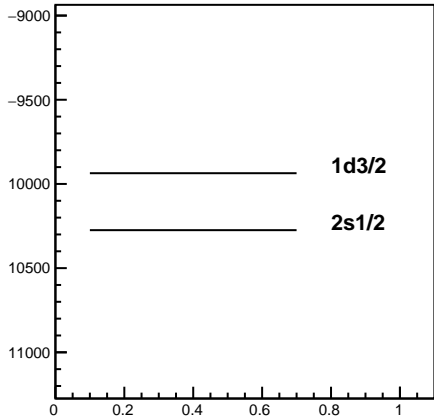
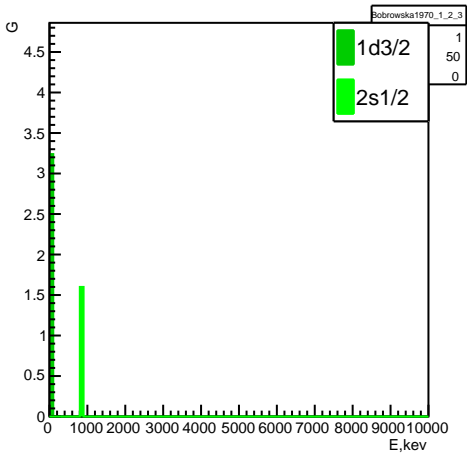
Tribble1977



Penalty function components



Bobrowska1970



Experiment: Tribble1977 (4) Bobrowska1970

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

 $E_F: -22497.9 \pm 5.4739e+08 \text{ keV}$ $\Delta: 20633.3 \pm 803.871 \text{ keV}$

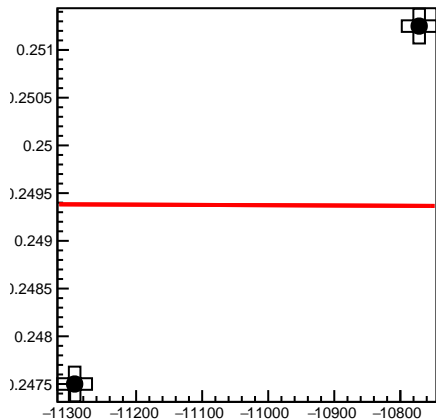
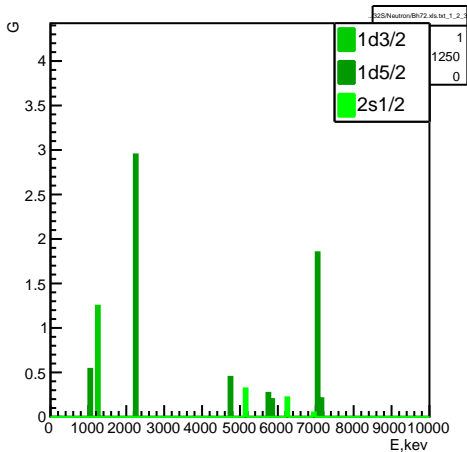
penalty: 8.08092e+08

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

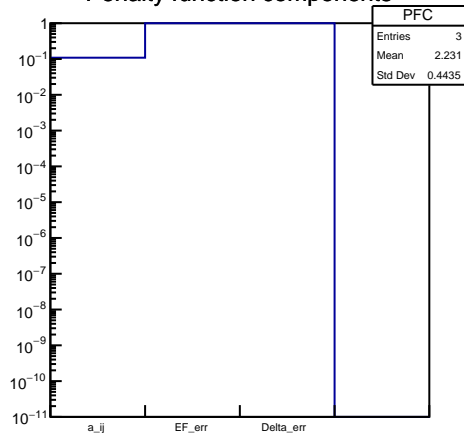
-10274.5 2s1/2 0.3075 1.215

-9936.26 1d3/2 0.1775 0.975

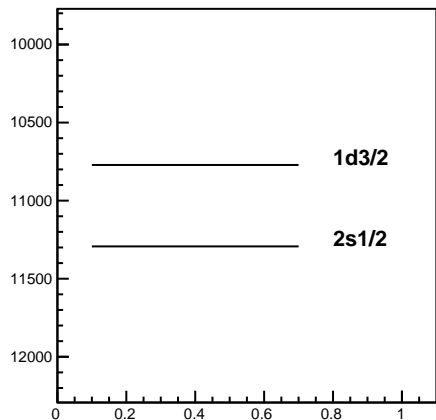
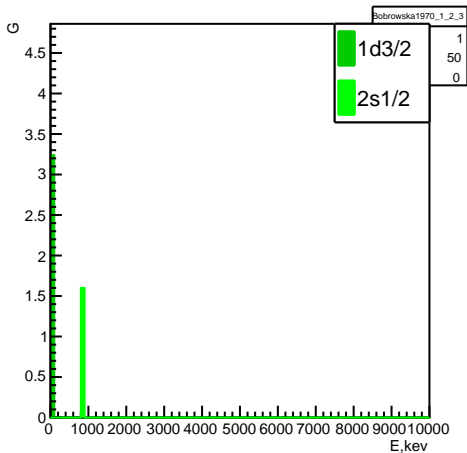
../32S/Neutron/Bh72.xls.txt



Penalty function components



Bobrowska1970



Experiment: ../32S/Neutron/Bh72.xls.txt (11)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: -6.36089e+06 \pm 3.78508e+08 keV

Δ : -1.09617e+07 \pm 6.53417e+08 keV

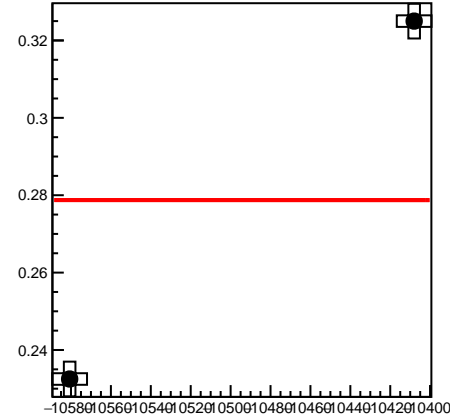
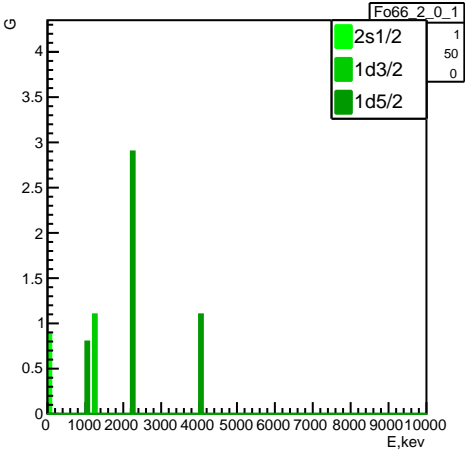
penalty: 8.08092e+08

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

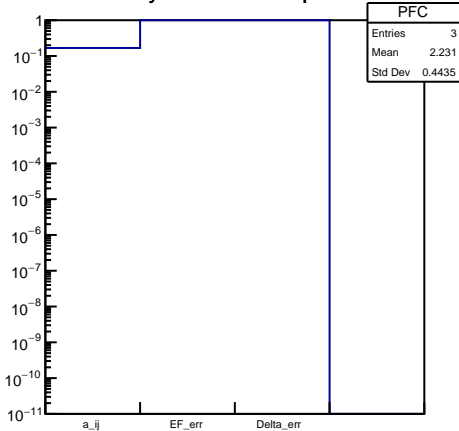
-10771.5 1d3/2 0.25125 1.1225

-11293.1 2s1/2 0.2475 1.095

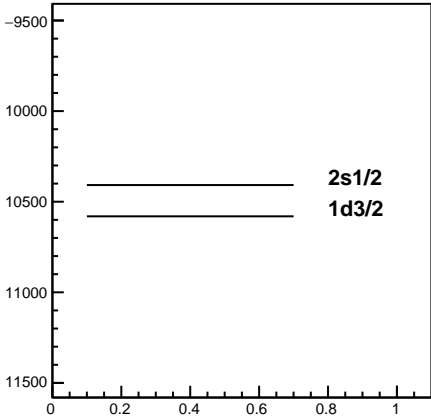
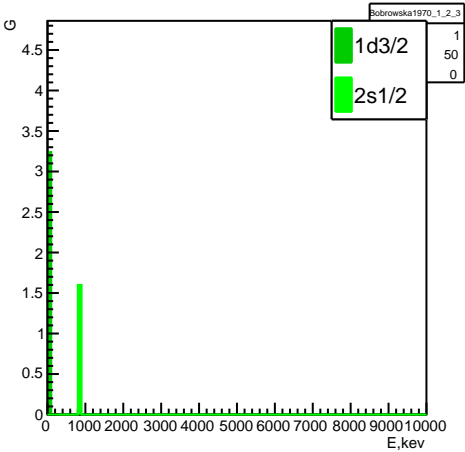
Fo66



Penalty function components

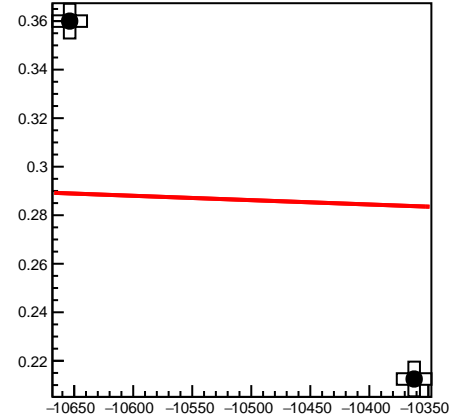
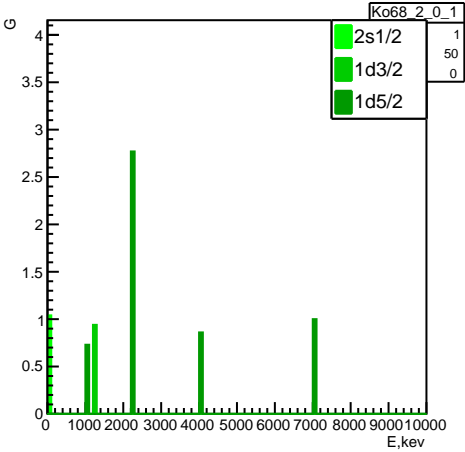


Bobrowska1970

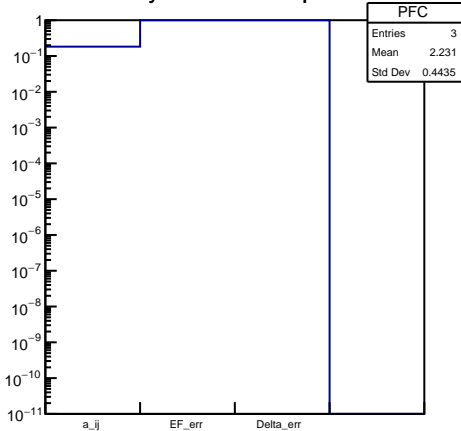


Experiment: Fo66 (5) Bobrowska1970 (2)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -4.24966e+06 ± 6.5243e+08 keV
Δ: -8.59069e+06 ± 1.32193e+09 keV
penalty: 8.08092e+08
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-10408 2s1/2 0.325 1.25
-10580.7 1d3/2 0.2325 1.085

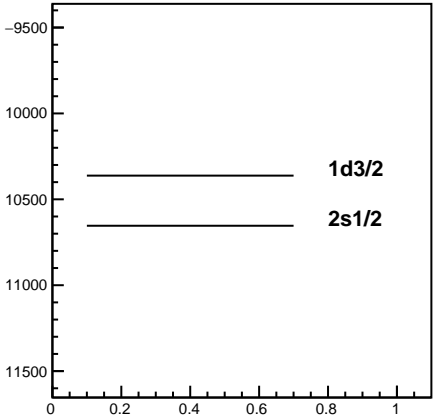
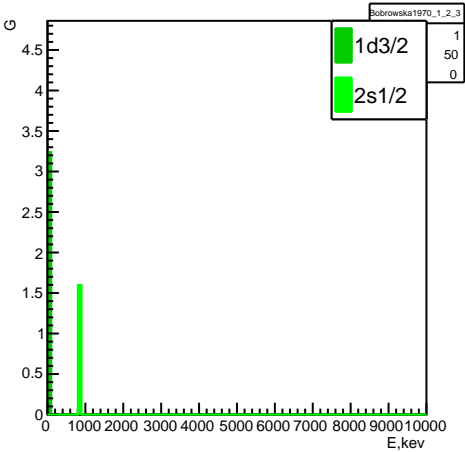
Ko68



Penalty function components

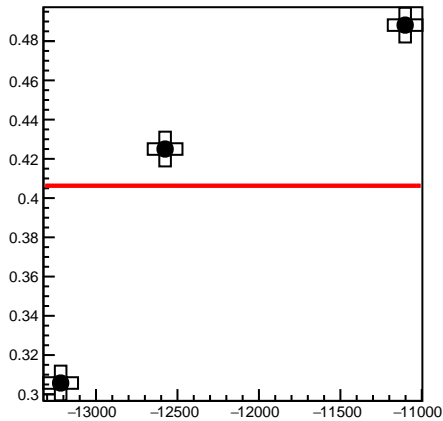
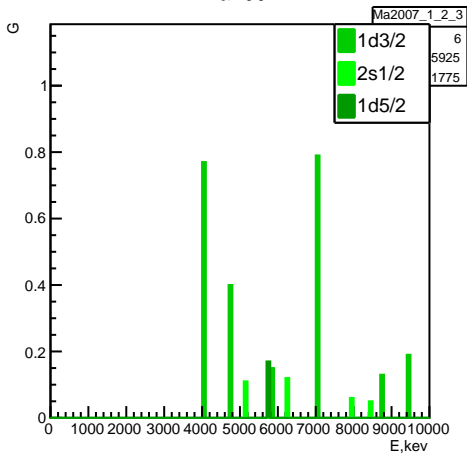


Bobrowska1970

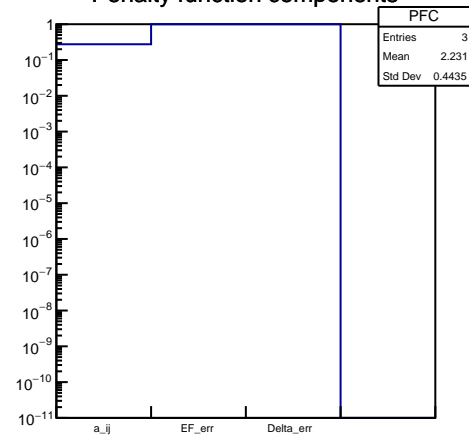


Experiment: Ko68 (6) Bobrowska1970 (2)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: -20229 ± 4.64447e+08 keV
Δ: 20568.8 ± 657.755 keV
penalty: 8.08092e+08
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-10653.8 2s1/2 0.36 1.32
-10362 1d3/2 0.2125 1.045

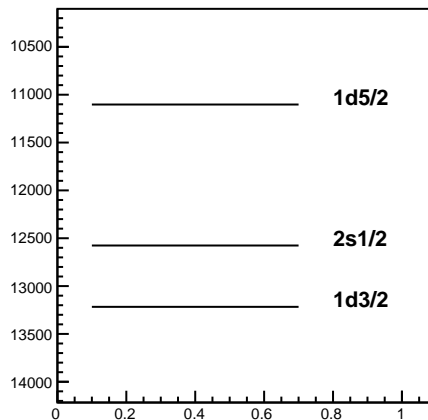
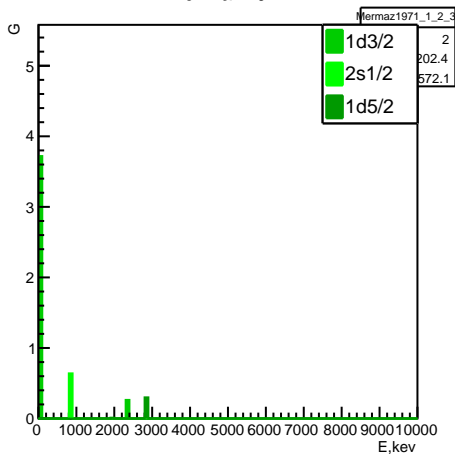
Ma2007



Penalty function components

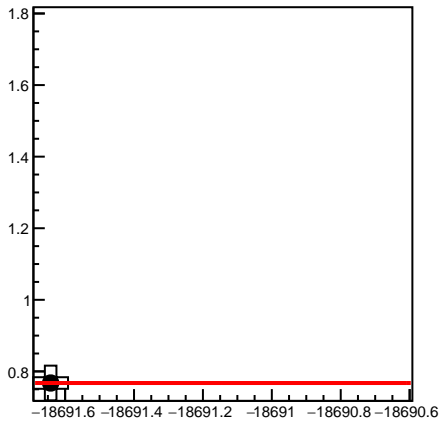
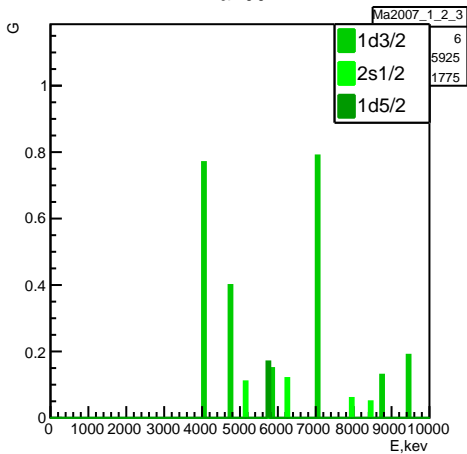


Mermaz1971

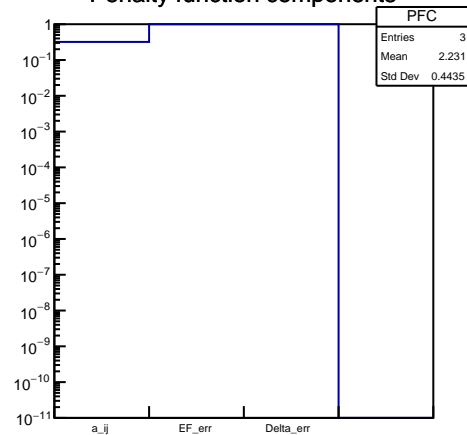


Experiment: Ma2007 (11) Mermaz1971 (5)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
 E_F : $-2.5457\text{e}+07 \pm 3.3734\text{e}+08$ keV
 Δ : $-1.3337\text{e}+08 \pm 1.7718\text{e}+09$ keV
penalty: $8.08092\text{e}+08$
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$
-13217 1d3/2 0.30575 1.6035
-12575.9 2s1/2 0.425 0.49
-11102.5 1d5/2 0.488167 0.0803333

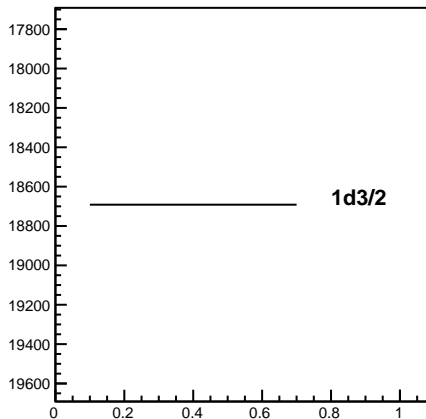
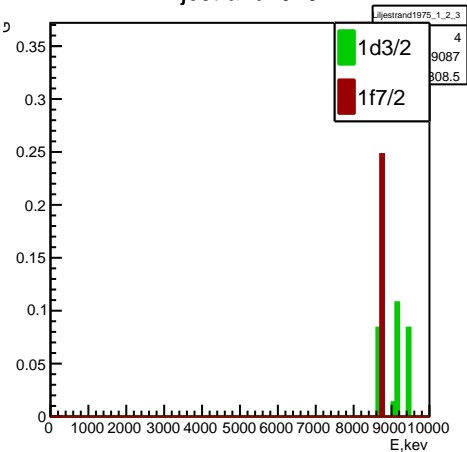
Ma2007



Penalty function components



Liljestrand1975



Experiment: Ma2007 (11) Liljestrand1975 (5)

neutron transfer

n separation energy A:15043.6, A+1: 8641.47

E_F: 3.38756e+06 \pm 2.82204e+08 keV

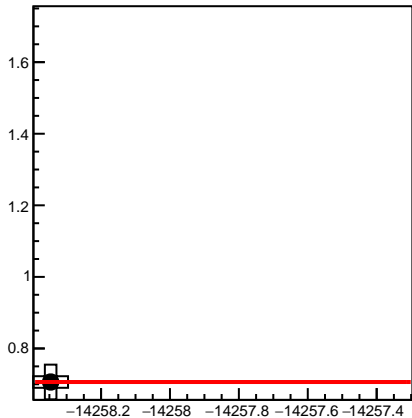
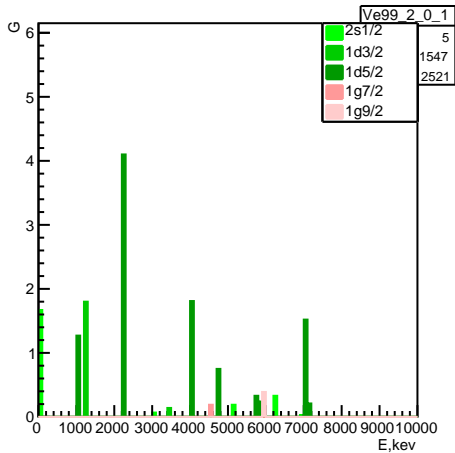
Δ : -5.37762e+06 \pm 4.45529e+08 keV

penalty: 8.08092e+08

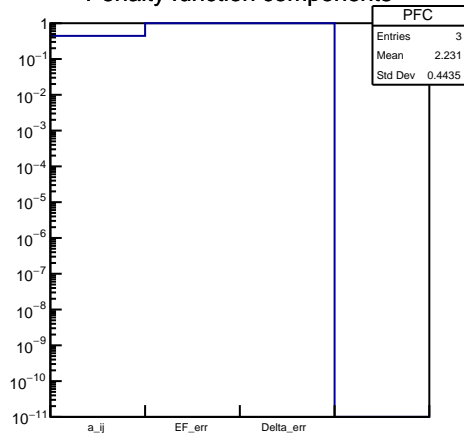
SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-18691.6 1d3/2 0.76755 0.6799

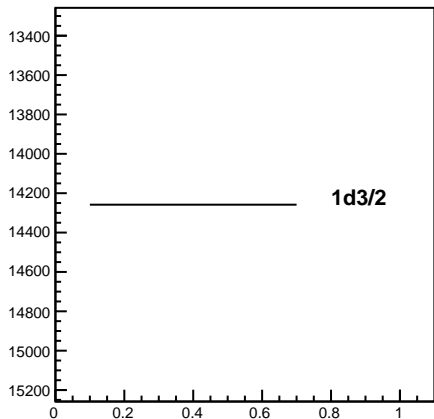
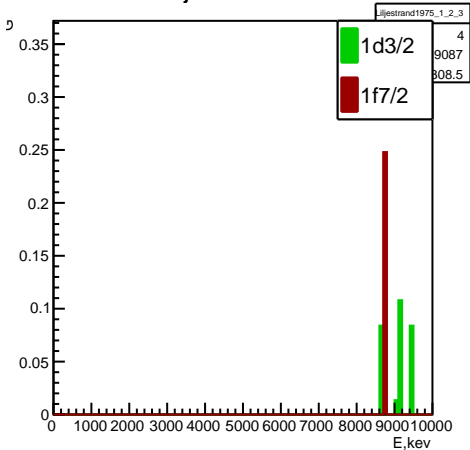
Ve99



Penalty function components



Liljestrand1975



Experiment: Ve99 (17) Liljestrand1975 (5)
neutron transfer
n separation energy A:15043.6, A+1: 8641.47
E_F: 2.94519e+06 \pm 2.73492e+08 keV
 Δ : -6.53368e+06 \pm 6.03798e+08 keV
penalty: 8.08092e+08
SPE,kev nlj OCC $\frac{G^+ + G^-}{2J+1}$
-14258.3 1d3/2 0.7063 0.5574