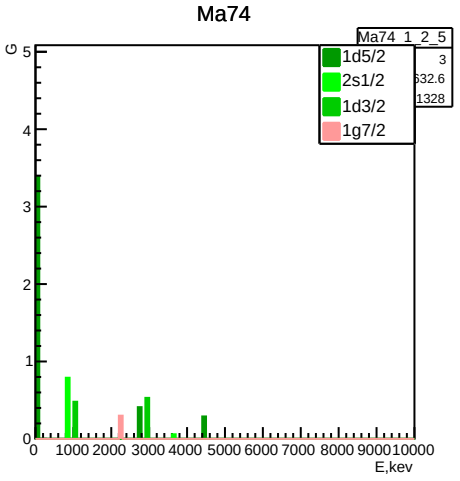
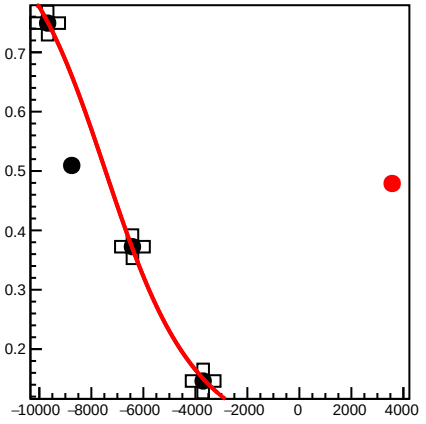
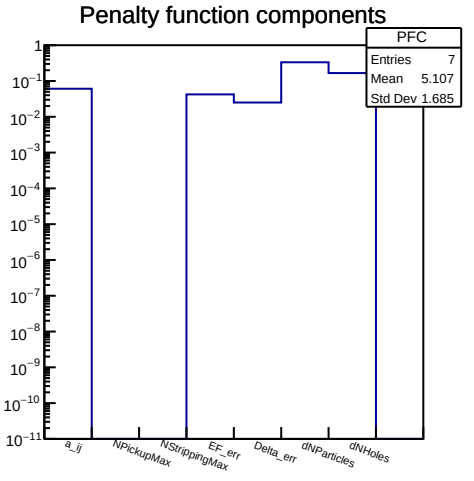
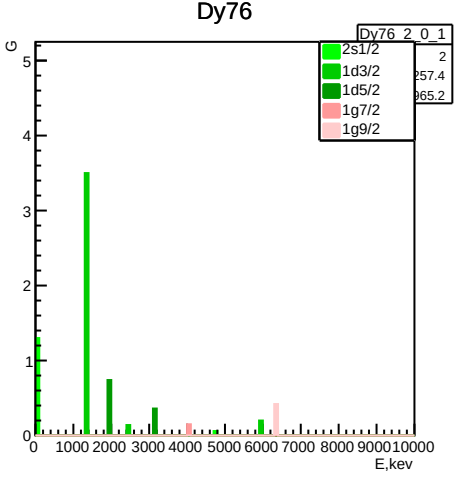
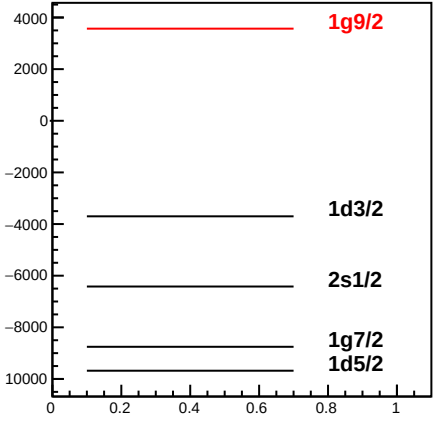










Experiment: Ma74 (8) Dy76 (9)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7455.36 ± 34.6689 keV

Δ: 3833.83 ± 70.295 keV

penalty: 0.120791

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

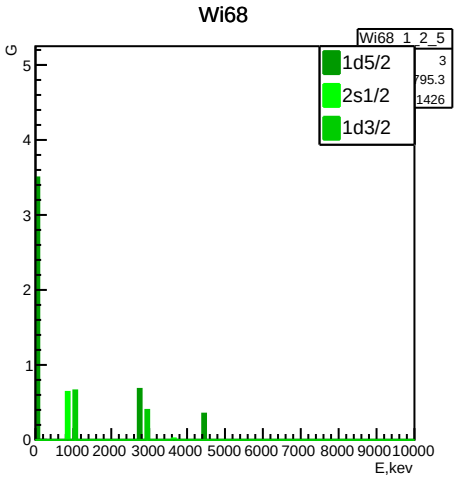
-9680.65 1d5/2 0.749167 0.865

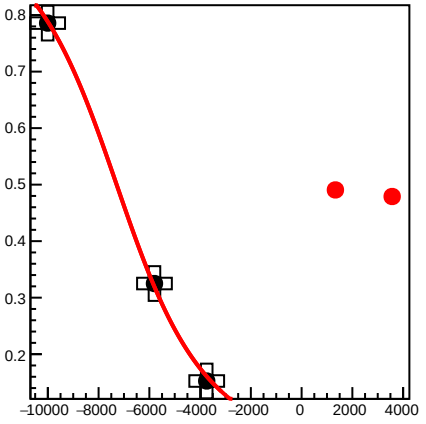
-6419.69 2s1/2 0.3725 1.105

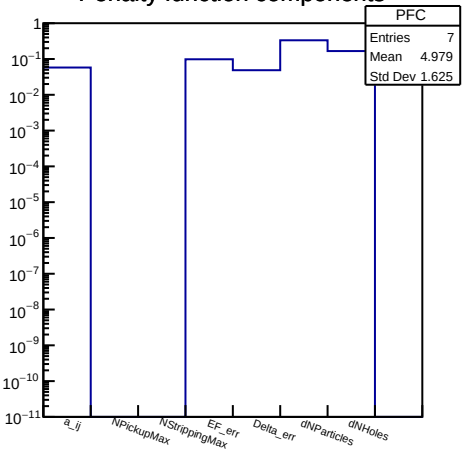
-3700.75 1d3/2 0.14625 1.2125

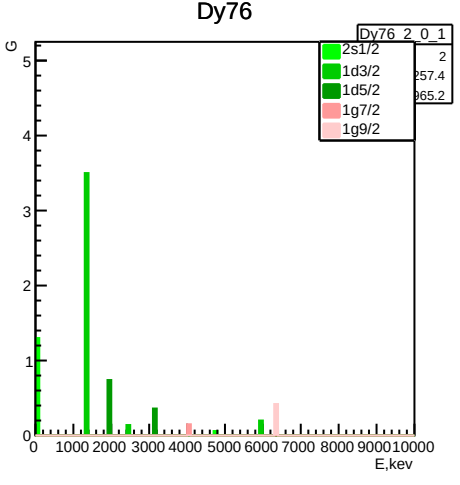
-8754.11 1g7/2 0.509375 1.29442e-312

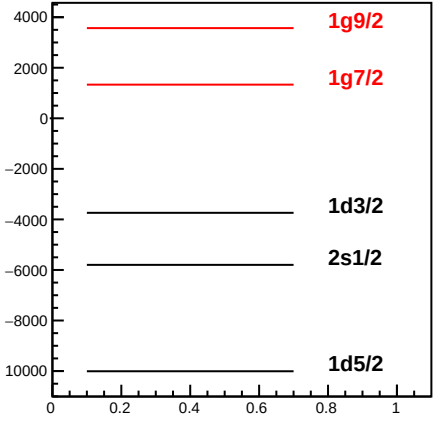
3568.16 1g9/2 0.479 2.37152e-322











Experiment: Wi68 (7) Dy76 (9)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7289.84 ± 80.6406 keV

Δ: 3842.37 ± 136.504 keV

penalty: 0.135509

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

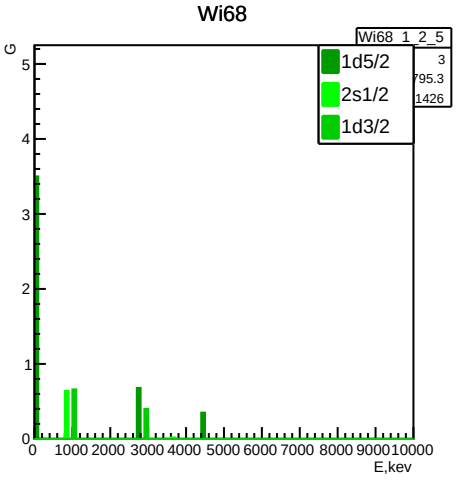
-10007.6 1d5/2 0.785833 0.938333

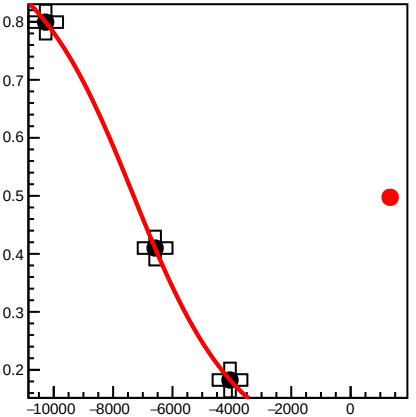
-5798.31 2s1/2 0.325 1.01

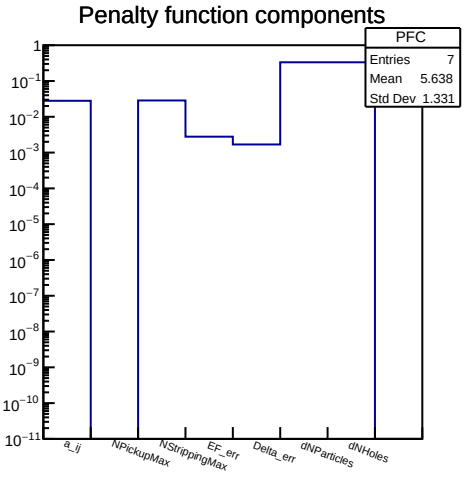
-3739.36 1d3/2 0.1525 1.225

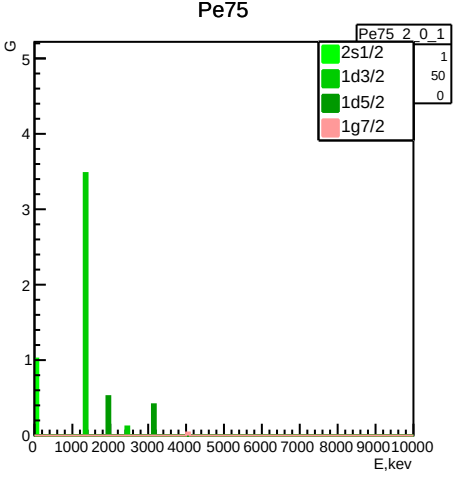
1331.66 1g7/2 0.490625 1.2732e-313

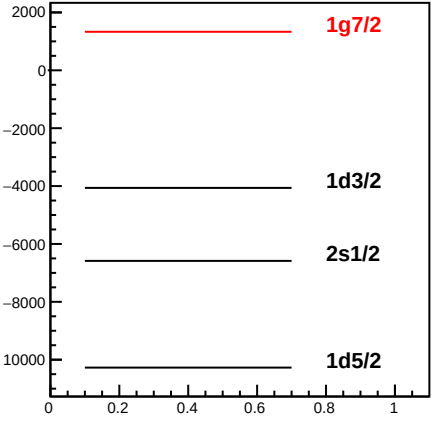
3568.16 1g9/2 0.479 2.37152e-322











Experiment: Wi68 (7) Pe75 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7310.76 ± 2.28362 keV

Δ: 3956.35 ± 4.73305 keV

penalty: 0.139944

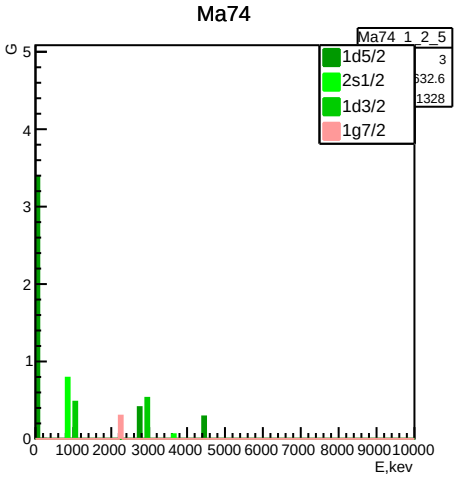
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

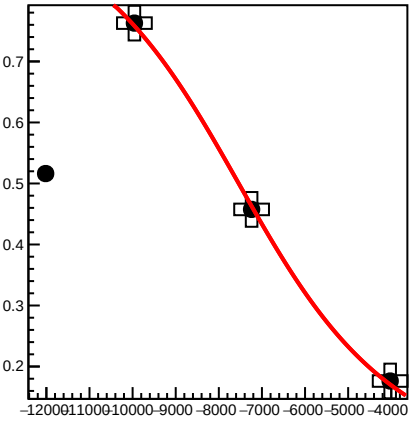
-10272.7 1d5/2 0.7995 0.911

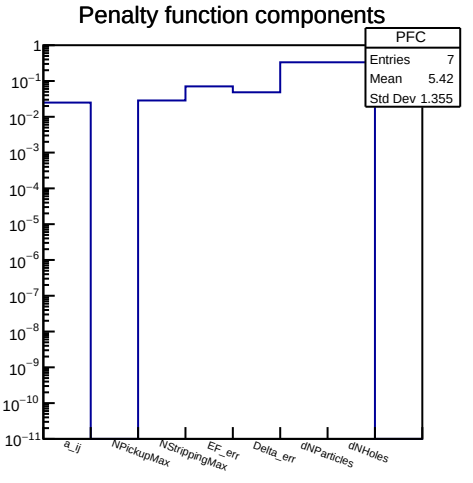
-6585.43 2s1/2 0.41 0.84

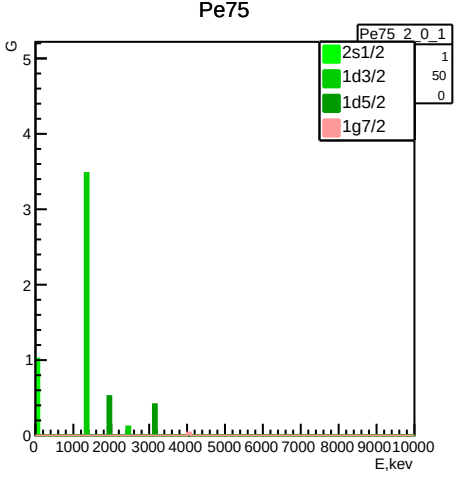
-4062.84 1d3/2 0.1825 1.165

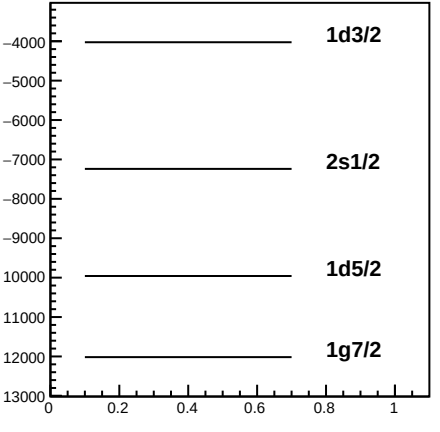
1331.66 1g7/2 0.4975 5.58294e-322











Experiment: Ma74 (8) Pe75 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7538.75 ± 58.0492 keV

Δ: 4010.77 ± 135.845 keV

penalty: 0.161403

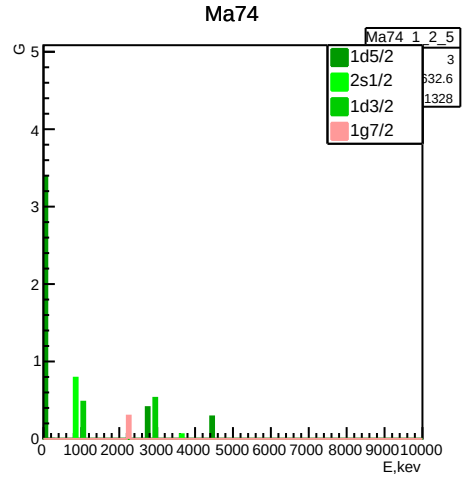
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

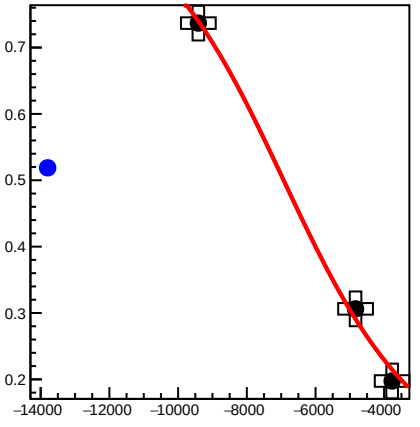
-9958.22 1d5/2 0.762833 0.837667

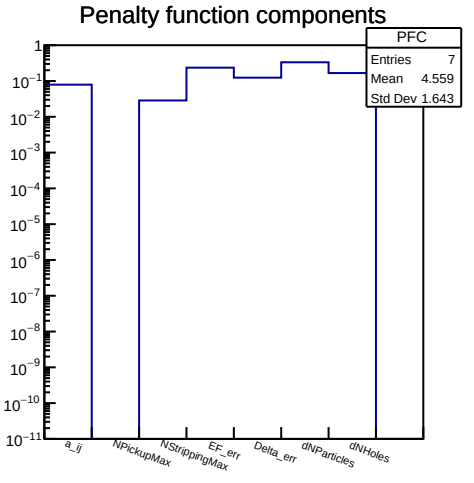
-7239.81 2s1/2 0.4575 0.935

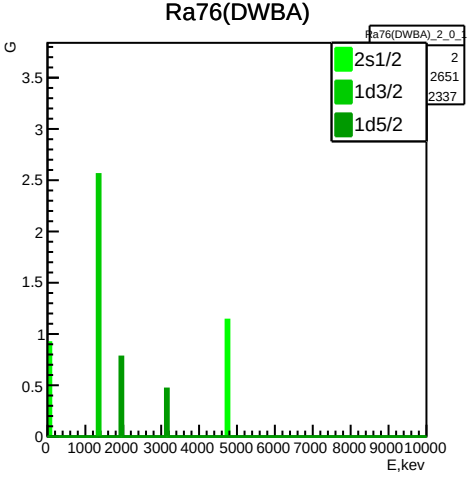
-4025.73 1d3/2 0.17625 1.1525

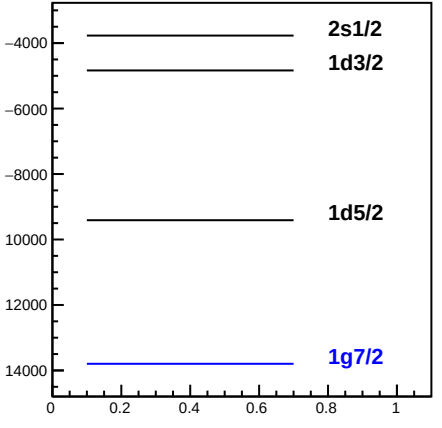
-12017.2 1g7/2 0.51625 5.58294e-322











Experiment: Ma74 (8) Ra76(DWBA) (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6928.33 ± 193.657 keV

Δ: 4543.33 ± 348.067 keV

penalty: 0.186067

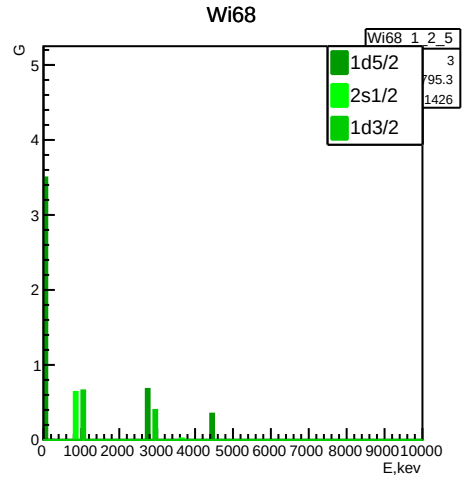
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

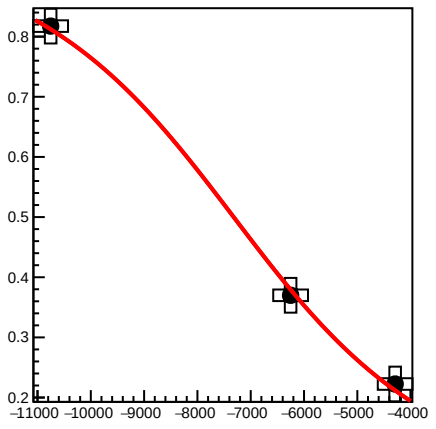
-9410.98 1d5/2 0.736833 0.889667

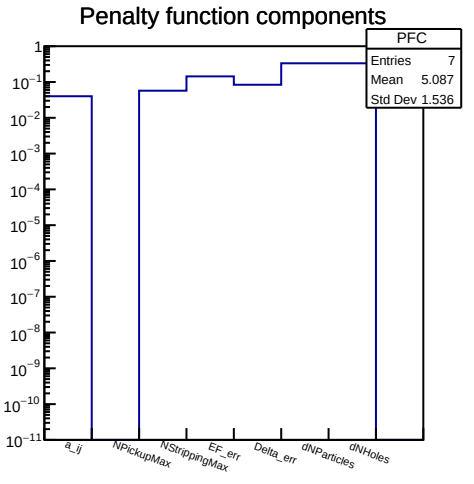
-3770.44 2s1/2 0.1975 1.455

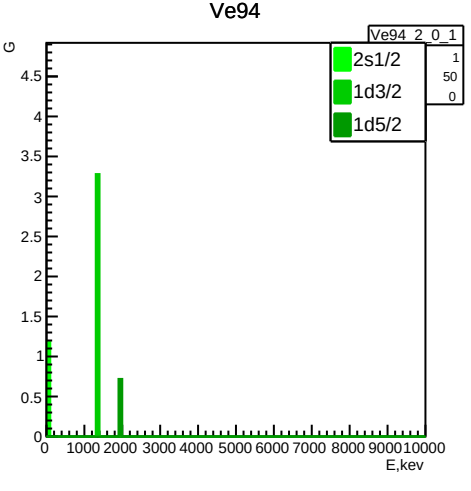
-4835.69 1d3/2 0.30625 0.8925

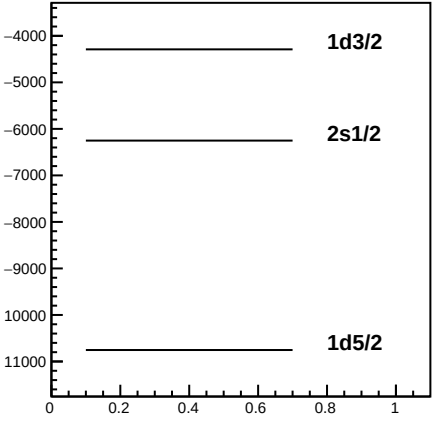
-13797 1g7/2 0.51875 5.58294e-322











Experiment: Wi68 (7) Ve94 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7319.53 ± 117.798 keV

Δ: 4294.58 ± 235.138 keV

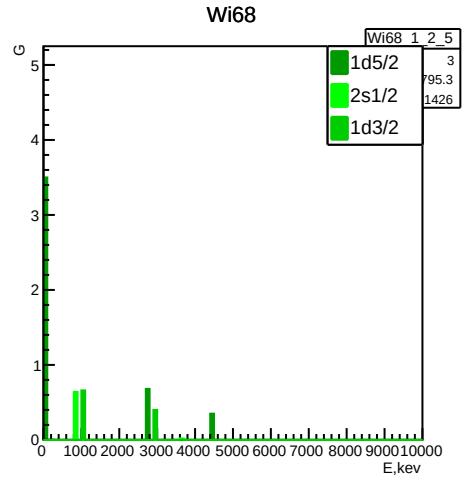
penalty: 0.190593

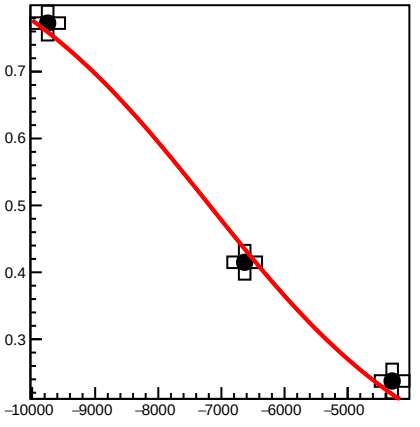
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

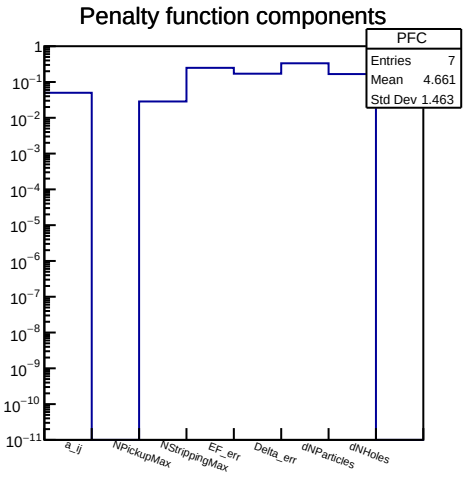
-10753.5 1d5/2 0.8175 0.875

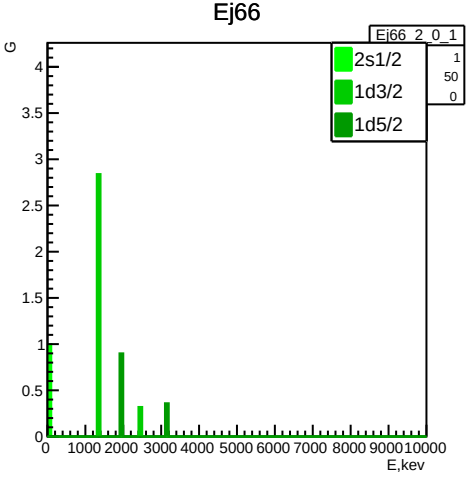
-6251.82 2s1/2 0.37 0.92

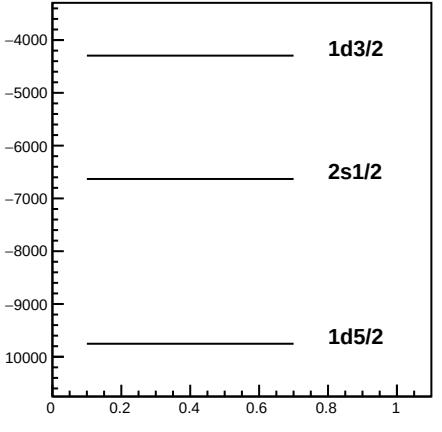
-4290.47 1d3/2 0.2225 1.085











Experiment: Wi68 (7) Ej66 (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7187.27 ± 204.107 keV

Δ: 4230.91 ± 479.07 keV

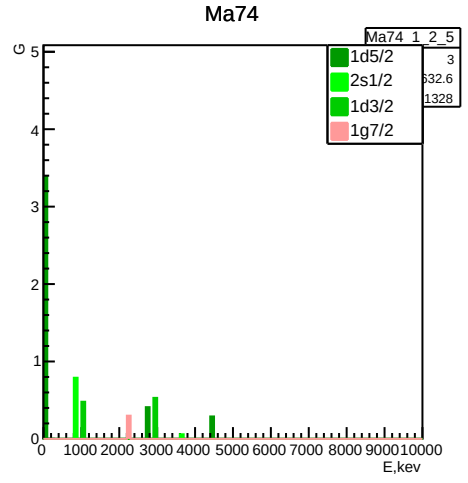
penalty: 0.191901

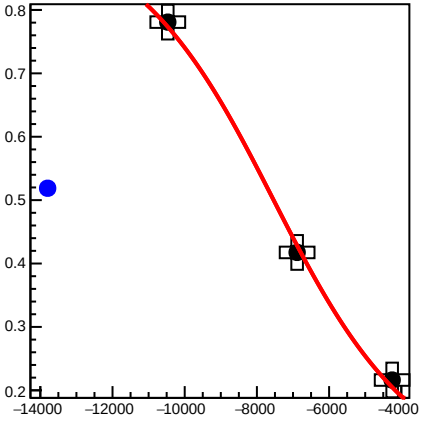
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

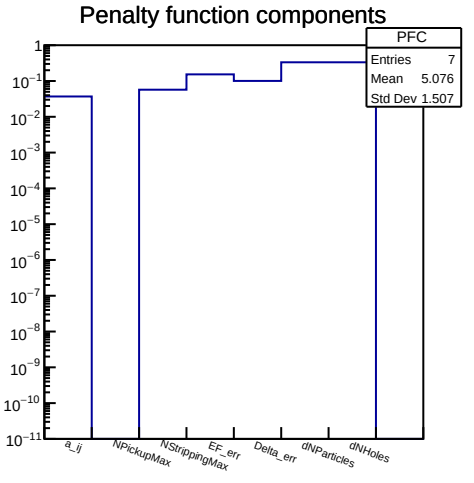
-9753.06 1d5/2 0.7725 0.965

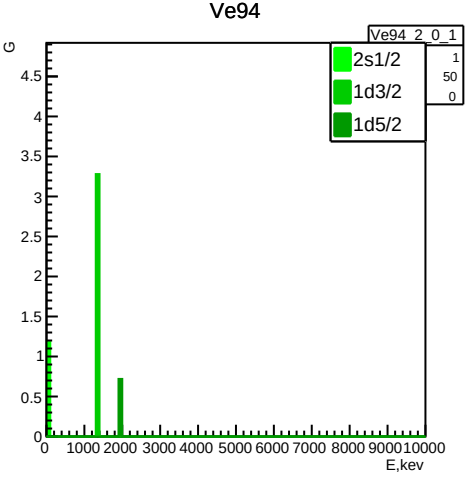
-6631.66 2s1/2 0.415 0.83

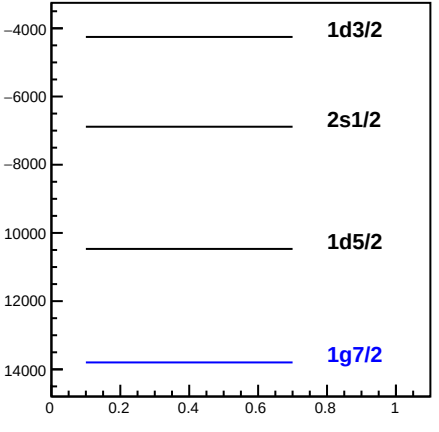
-4294.98 1d3/2 0.2375 1.055











Experiment: Ma74 (8) Ve94 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7536.39 ± 125.763 keV

Δ: 4490.28 ± 282.195 keV

penalty: 0.195095

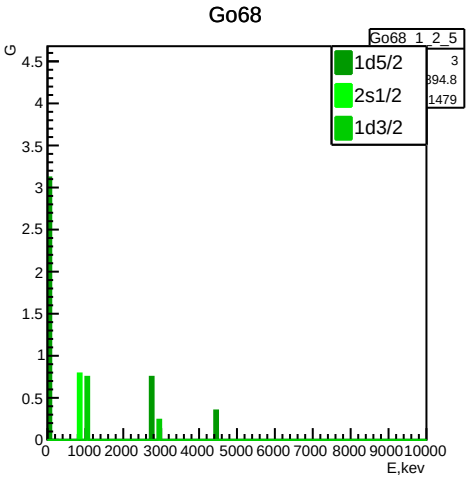
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

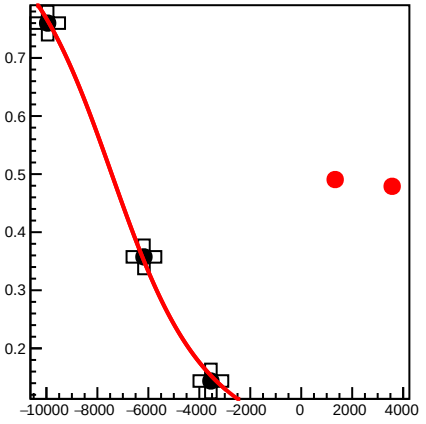
-10468.9 1d5/2 0.780833 0.801667

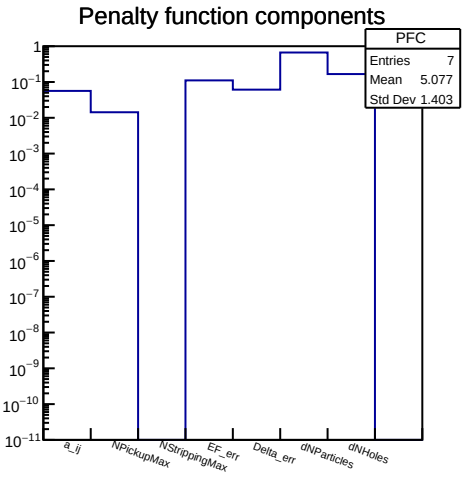
-6885.85 2s1/2 0.4175 1.015

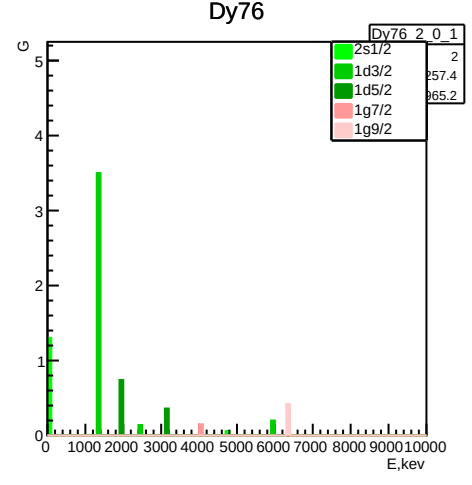
-4253.25 1d3/2 0.21625 1.0725

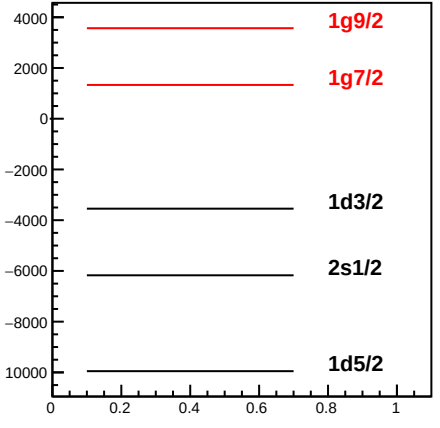
-13797 1g7/2 0.51875 3.21143e-322











Experiment: Go68 (6) Dy76 (9)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7437.51 ± 91.049 keV

Δ: -4040.1 ± 171.734 keV

penalty: 0.206944

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

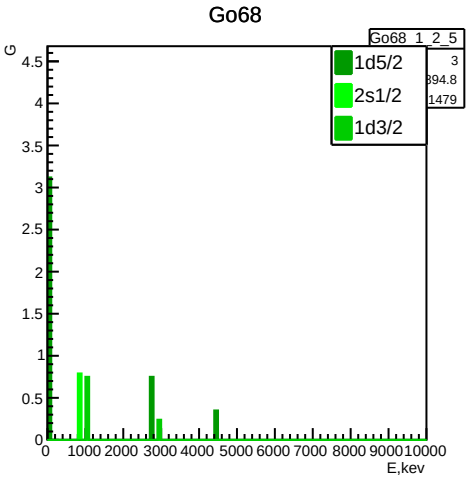
-9951.71 1d5/2 0.76 0.886667

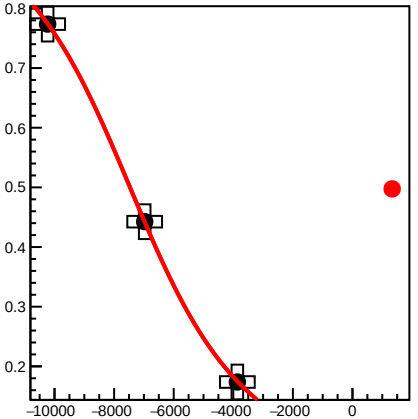
-6172.83 2s1/2 0.3575 1.075

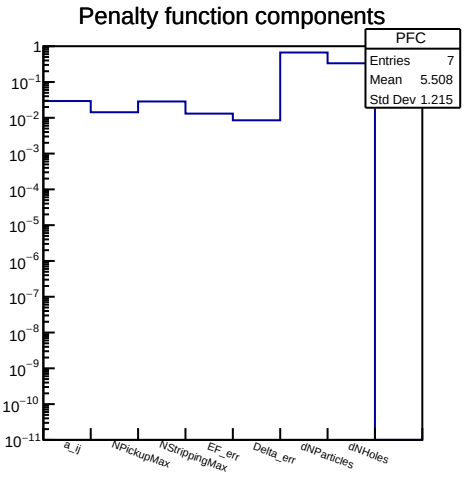
-3545.77 1d3/2 0.14375 1.2075

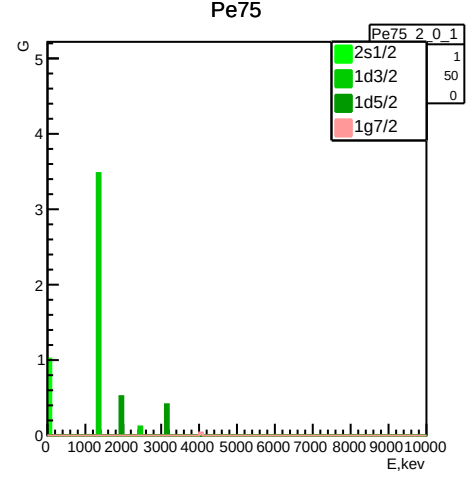
1331.66 1g7/2 0.490625 5.58294e-322

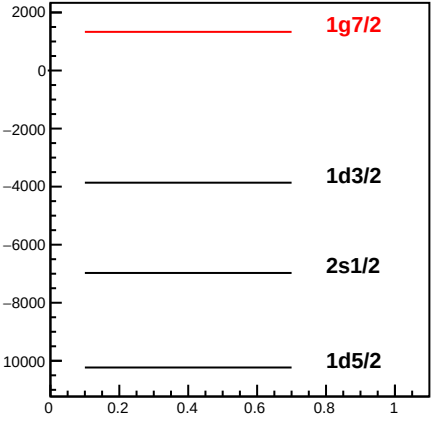
3568.16 1g9/2 0.479 6.95014e-310











Experiment: Go68 (6) Pe75 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7466.29 ± 10.7362 keV

Δ: 4211.36 ± 23.9071 keV

penalty: 0.210354

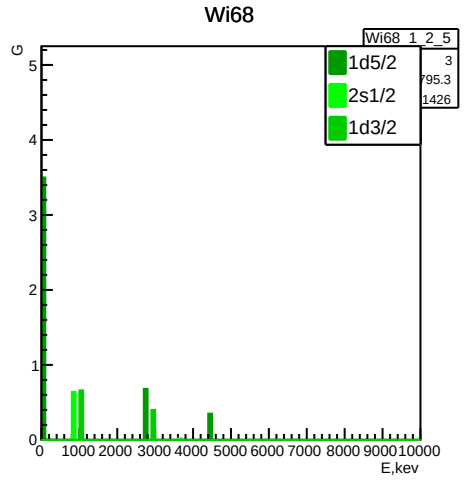
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

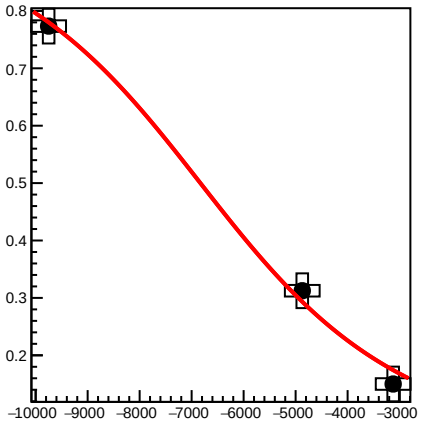
-10230.9 1d5/2 0.773667 0.859333

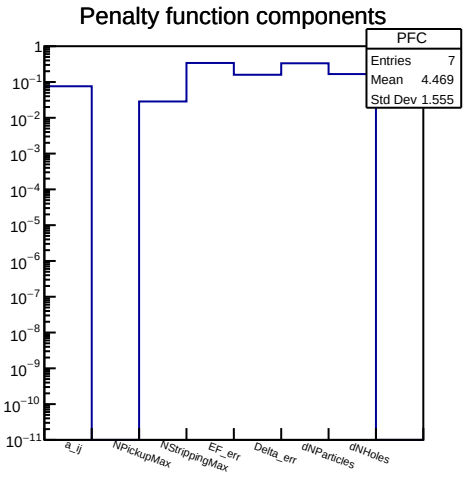
-6973.77 2s1/2 0.4425 0.905

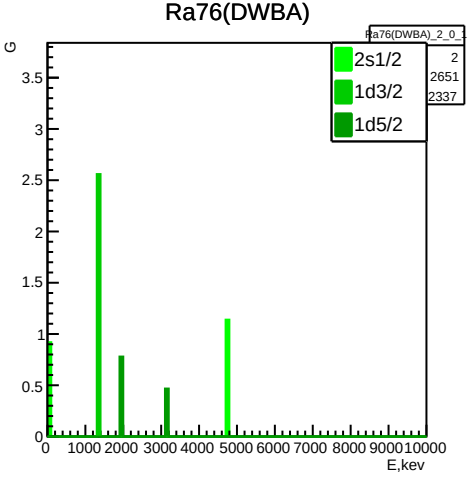
-3864.07 1d3/2 0.17375 1.1475

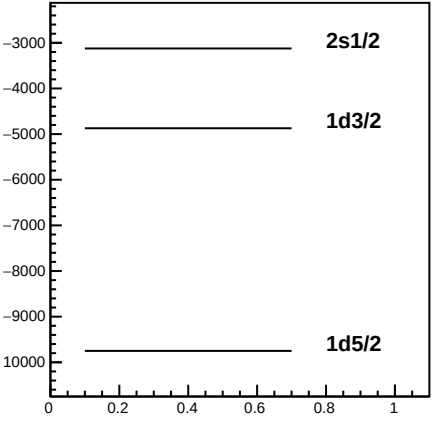
1331.66 1g7/2 0.4975 5.58294e-322











Experiment: Wi68 (7) Ra76(DWBA) (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6831.52 ± 279.185 keV

Δ: 4316.55 ± 447.41 keV

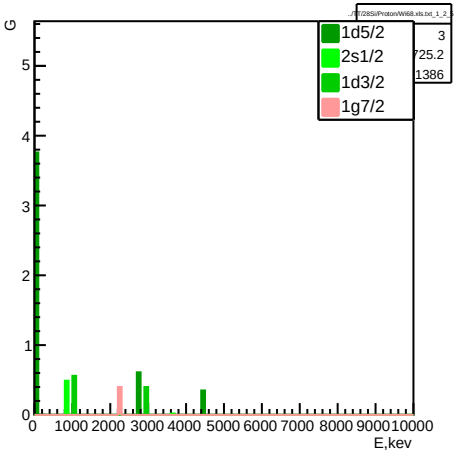
penalty: 0.212324

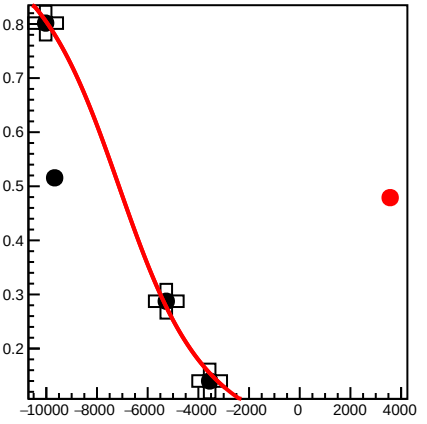
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

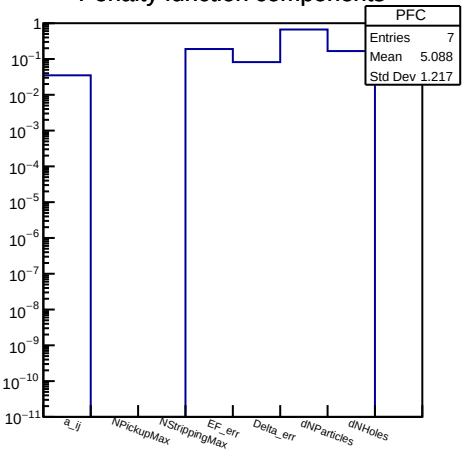
-9750.13 1d5/2 0.7735 0.963

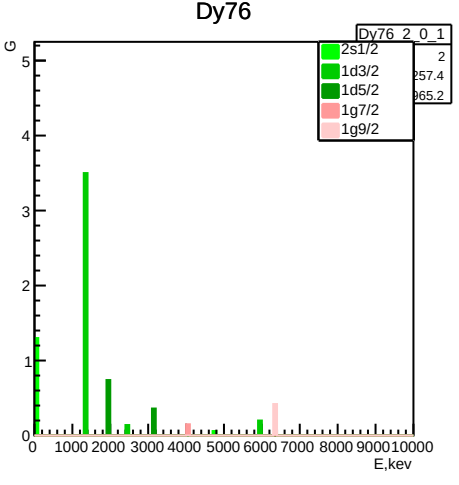
-3123.92 2s1/2 0.15 1.36

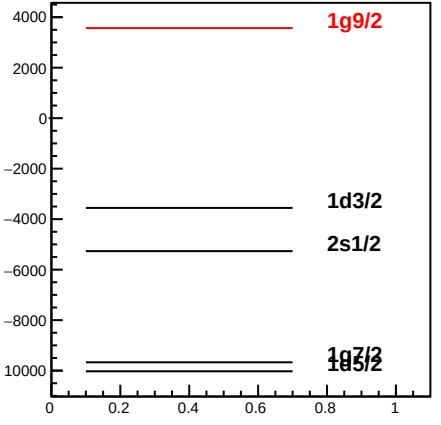
-4872.28 1d3/2 0.3125 0.905











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7132.81 ± 155.989 keV

Δ: 3745.6 ± 230.011 keV

penalty: 0.219291

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

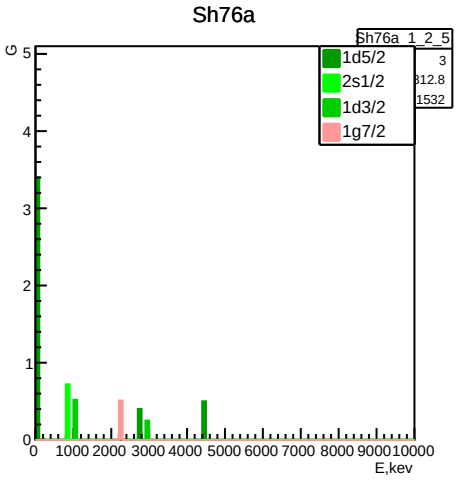
-10026.2 1d5/2 0.801667 0.97

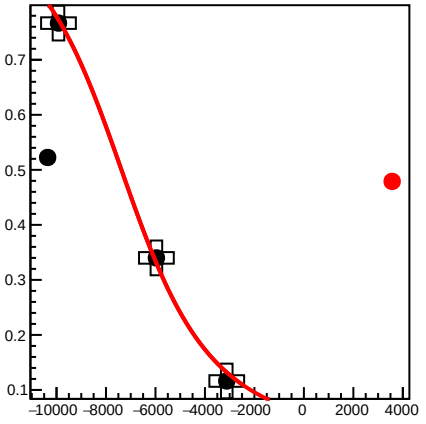
-5266.46 2s1/2 0.2875 0.935

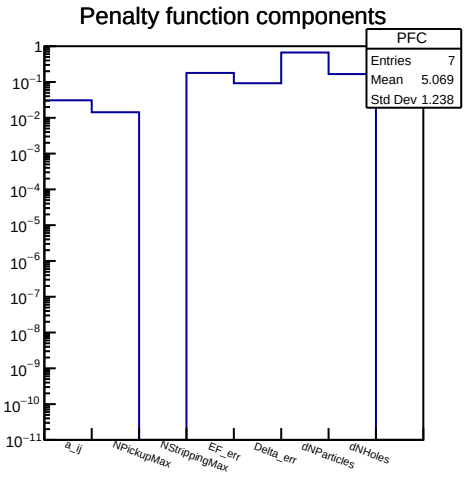
-3554.77 1d3/2 0.14 1.2

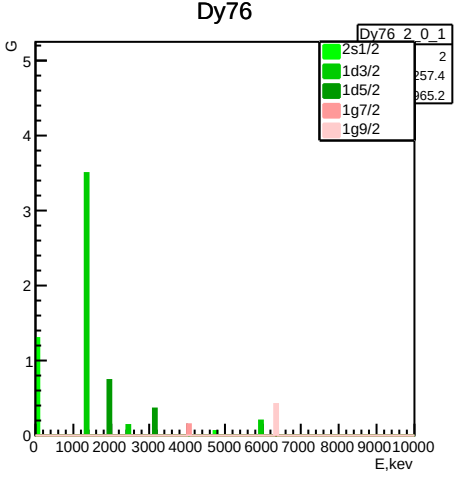
-9671 1g7/2 0.515625 -13797

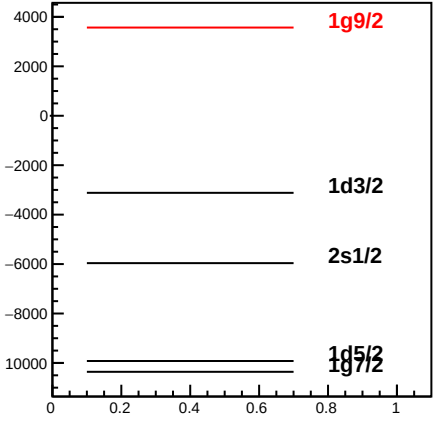
3568.16 1g9/2 0.479 2.37152e-322











Experiment: Sh76a (7) Dy76 (9)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7375.07 ± 147.077 keV

Δ: 3914.45 ± 259.467 keV

penalty: 0.221166

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

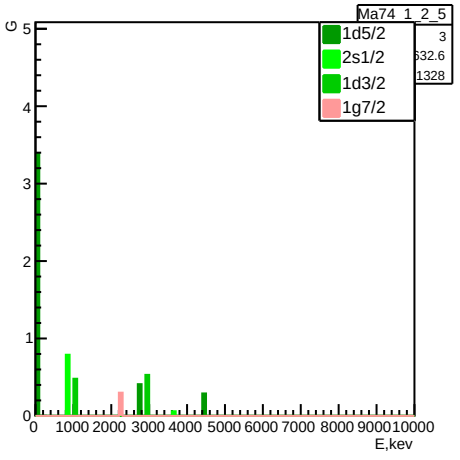
-9921.15 1d5/2 0.766667 0.9

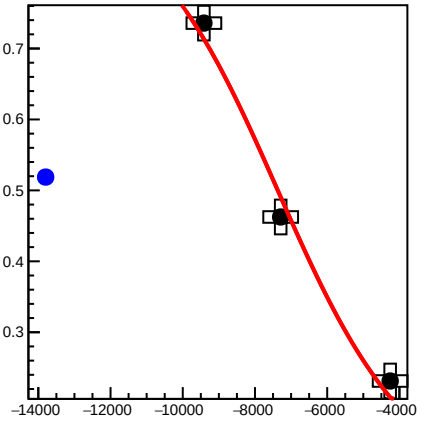
-5962.3 2s1/2 0.34 1.04

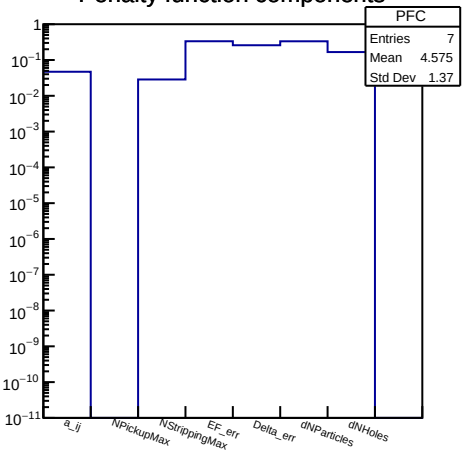
-3117.97 1d3/2 0.11625 1.1525

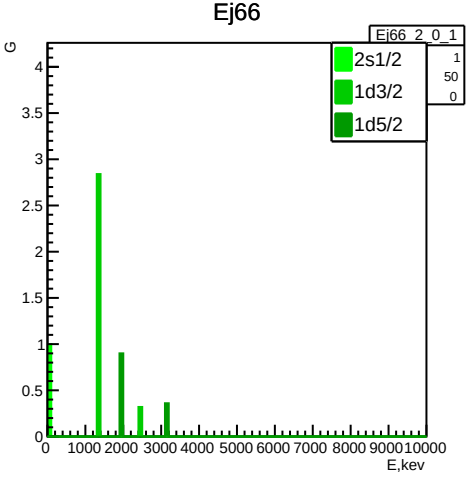
-10358.7 1g7/2 0.5225 2.92981e-321

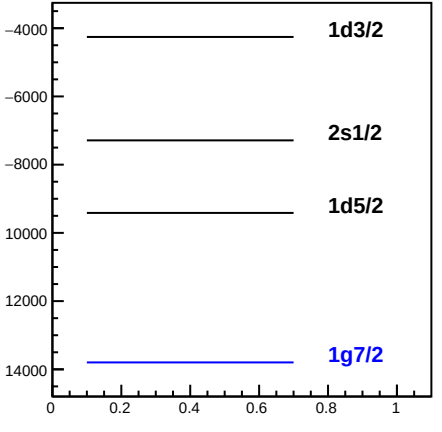
3568.16 1g9/2 0.479 2.37152e-322











Experiment: Ma74 (8) Ej66 (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7369.15 ± 274.302 keV

Δ: -4333.29 ± 725.687 keV

penalty: 0.224652

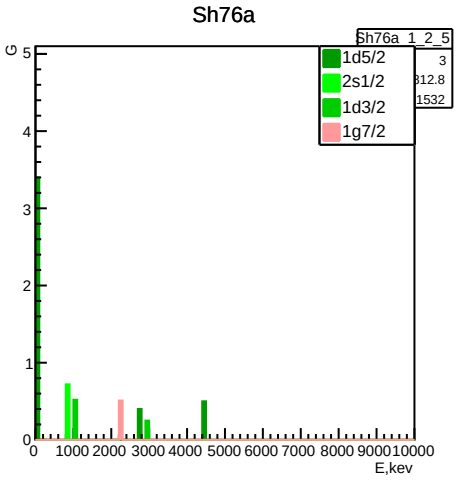
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

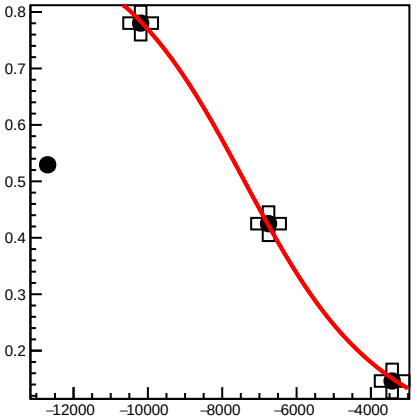
-9414.91 1d5/2 0.735833 0.891667

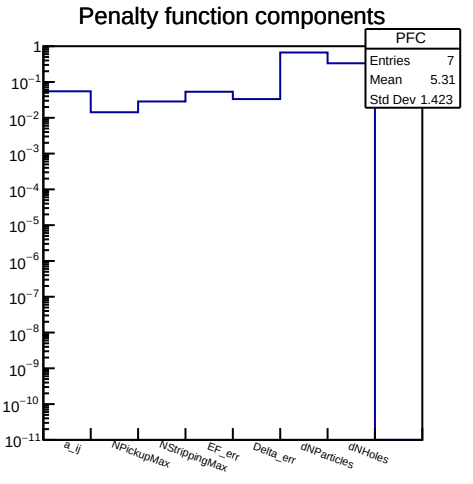
-7288.37 2s1/2 0.4625 0.925

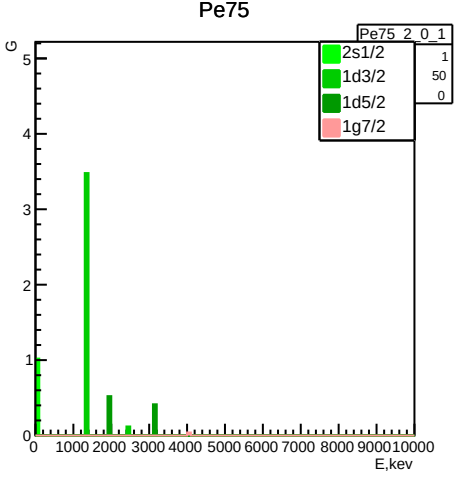
-4256.74 1d3/2 0.23125 1.0425

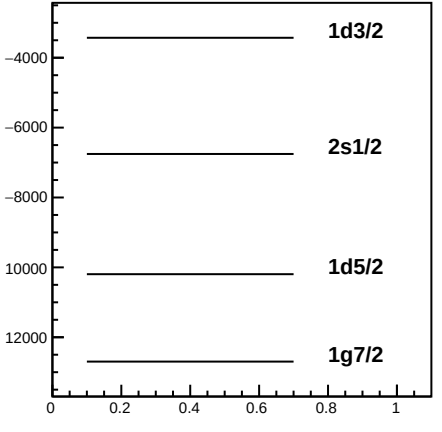
-13797 1g7/2 0.51875 5.58294e-322











Experiment: Sh76a (7) Pe75 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7398.35 ± 43.8799 keV

Δ: 4068.59 ± 93.6368 keV

penalty: 0.227811

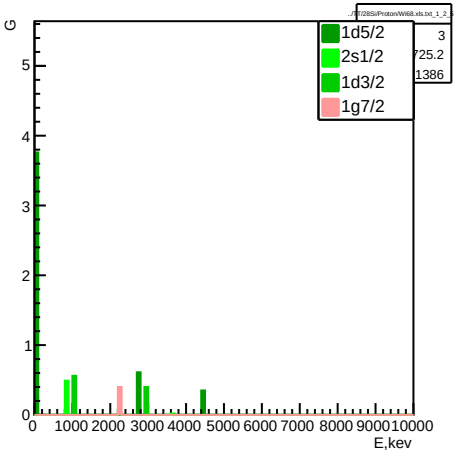
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

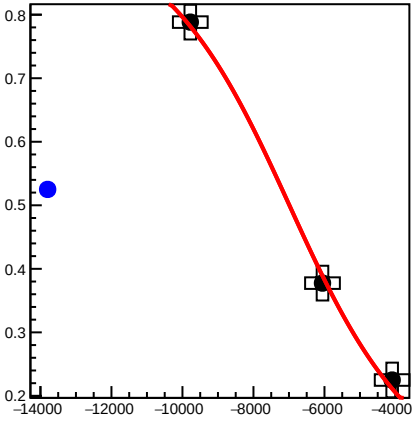
-10195.1 1d5/2 0.780333 0.872667

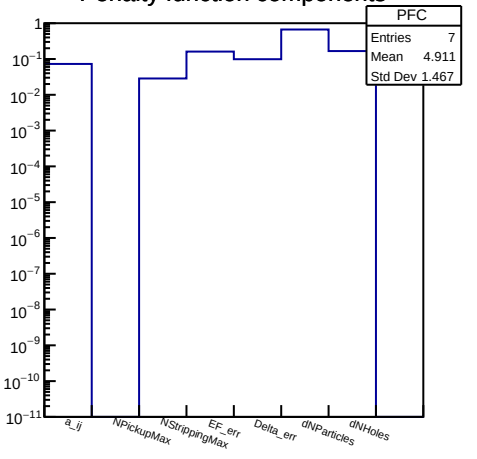
-6754.32 2s1/2 0.425 0.87

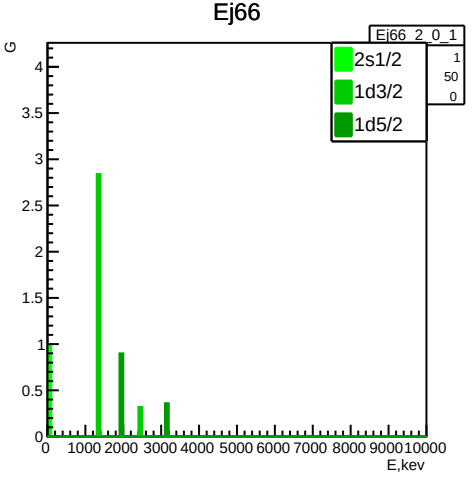
-3428.8 1d3/2 0.14625 1.0925

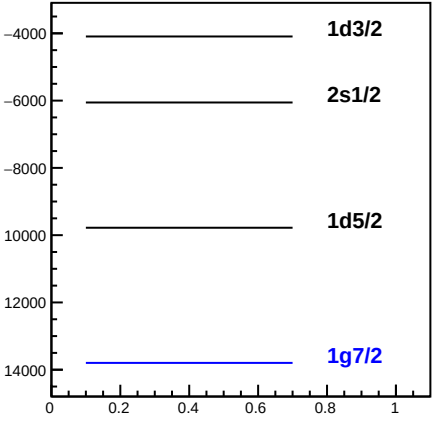
-12696.7 1g7/2 0.529375 5.58294e-322











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6987.75 ± 132.272 keV

Δ: -4093.32 ± 276.989 keV

penalty: 0.229711

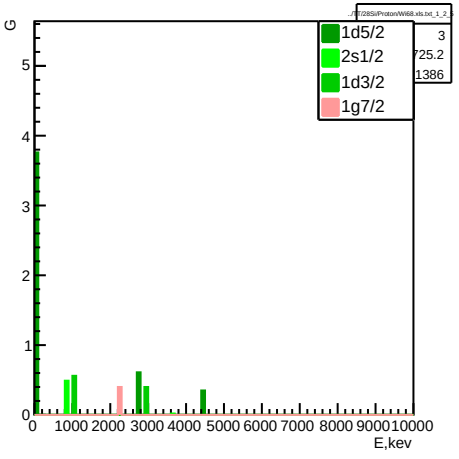
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

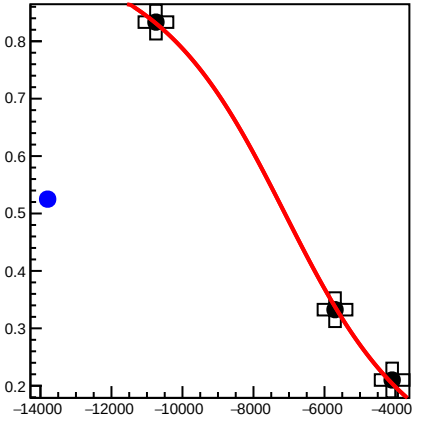
-9779.25 1d5/2 0.788333 0.996667

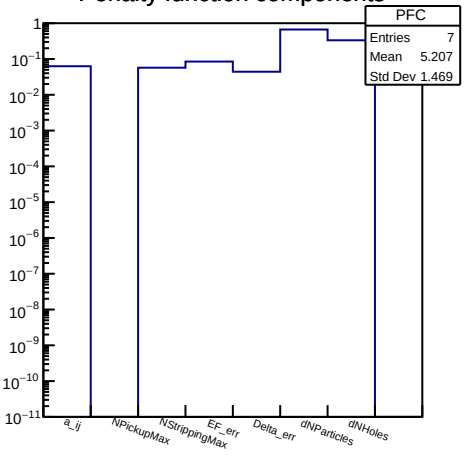
-6055.79 2s1/2 0.3775 0.755

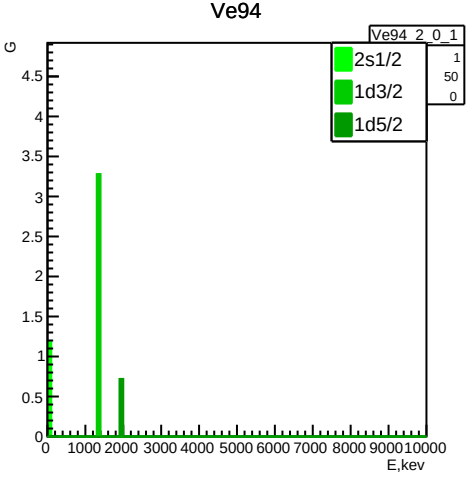
-4093.42 1d3/2 0.225 1.03

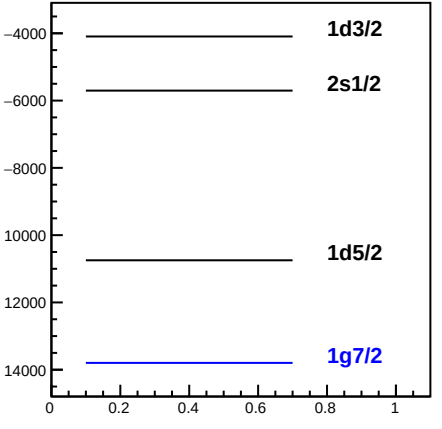
-13797 1g7/2 0.525 1.2732e-313











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

penalty: 0.240169

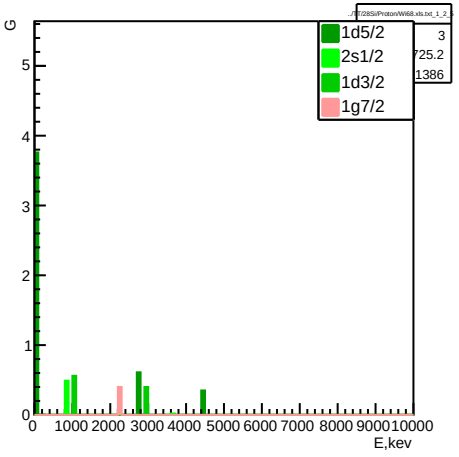
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

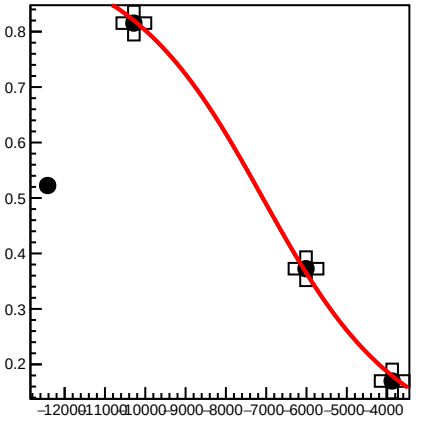
-10747.3 1d5/2 0.833333 0.906667

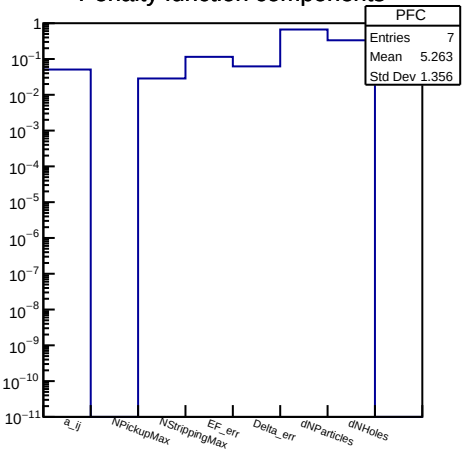
-5703.57 2s1/2 0.3325 0.845

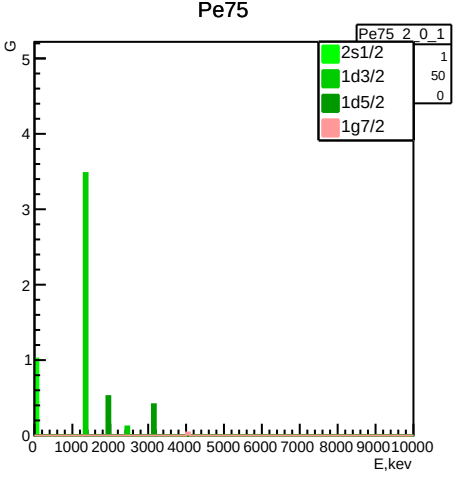
-4094.5 1d3/2 0.21 1.06

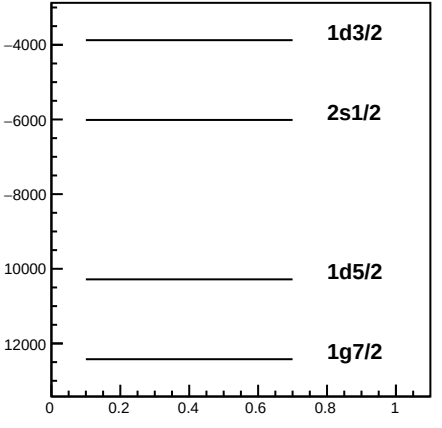
-13797 1g7/2 0.525 5.58294e-322











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.68 ± 174.629 keV

penalty: 0.241624

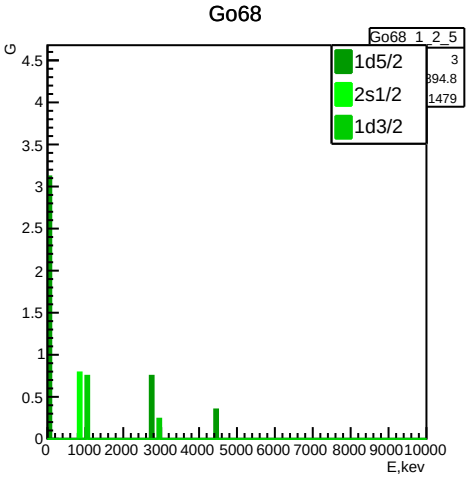
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

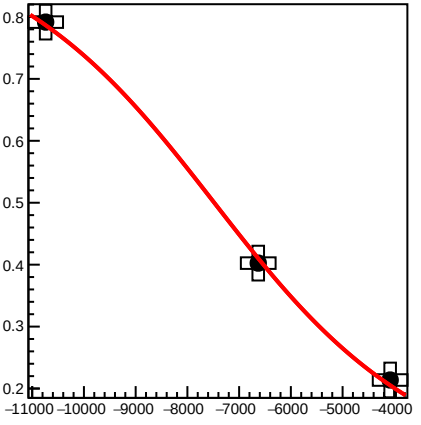
-10282.9 1d5/2 0.815333 0.942667

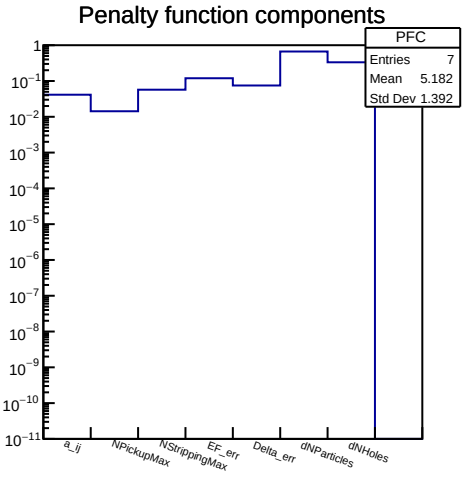
-6012.56 2s1/2 0.3725 0.765

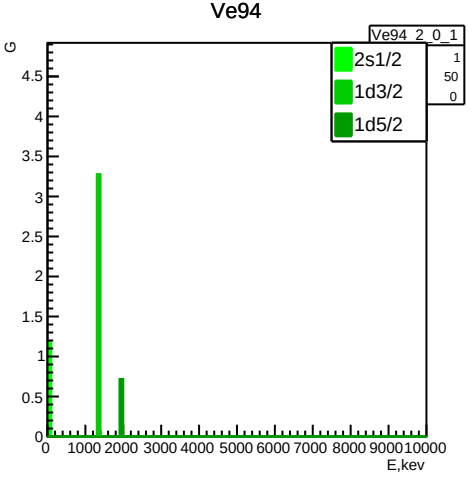
-3875.63 1d3/2 0.17 1.14

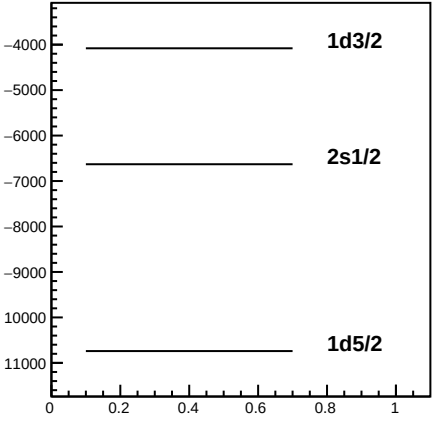
-12421.7 1g7/2 0.5225 5.58294e-322











Experiment: Go68 (6) Ve94 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7480.86 ± 98.0386 keV

Δ: -4657.91 ± 210.329 keV

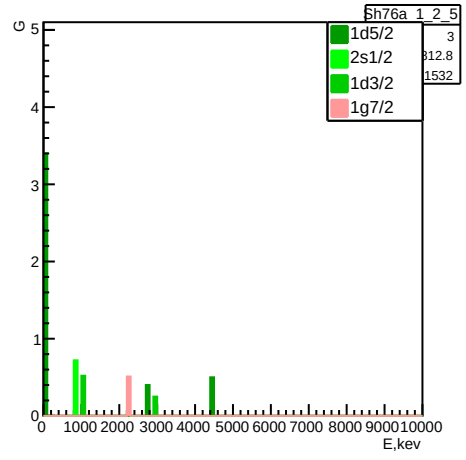
penalty: 0.251381

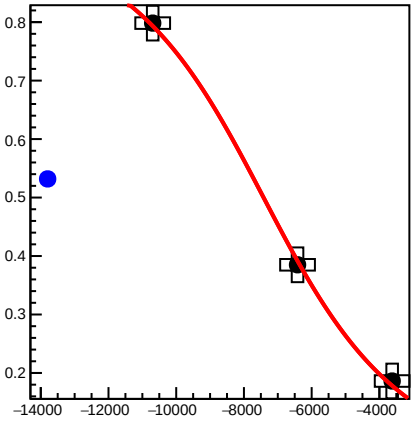
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

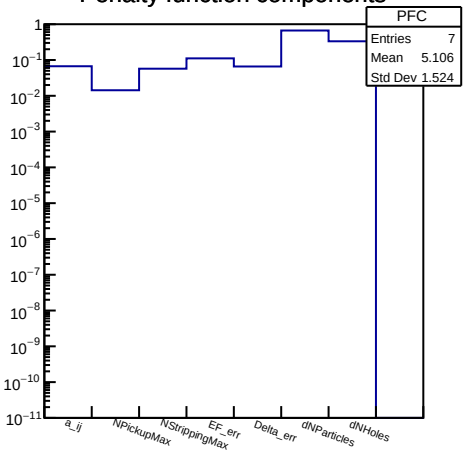
-10740 1d5/2 0.791667 0.823333

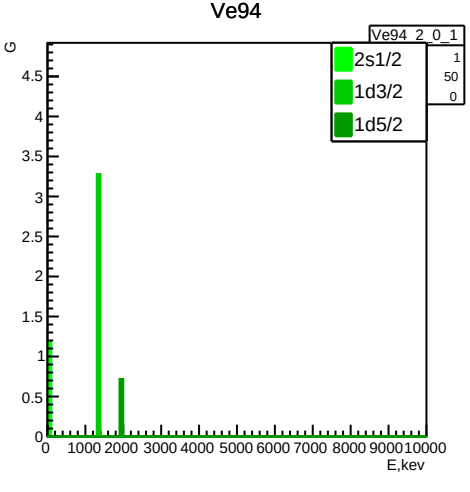
-6630.63 2s1/2 0.4025 0.985

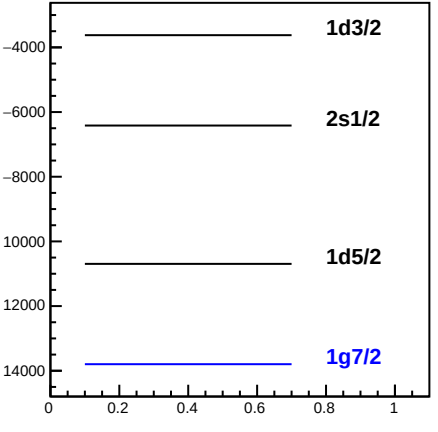
-4080.54 1d3/2 0.21375 1.0675











Experiment: Sh76a (7) Ve94 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7419.92 ± 91.1894 keV

Δ: 4516.68 ± 184.985 keV

penalty: 0.252955

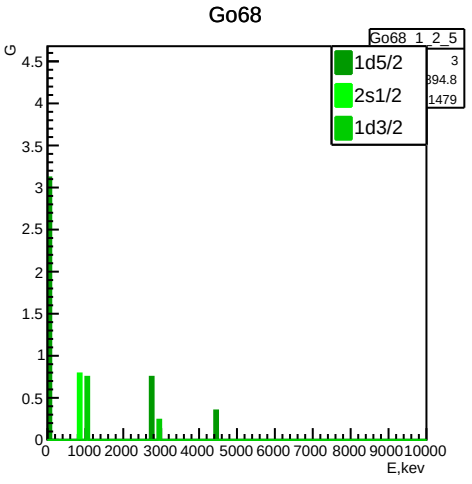
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

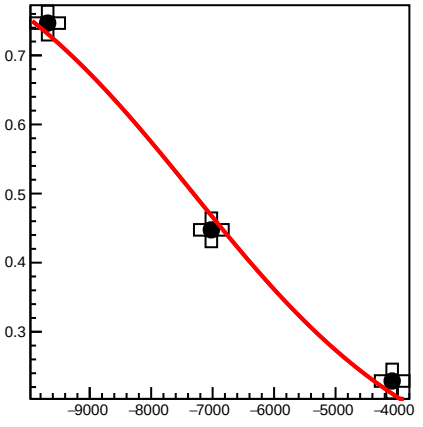
-10694.6 1d5/2 0.798333 0.836667

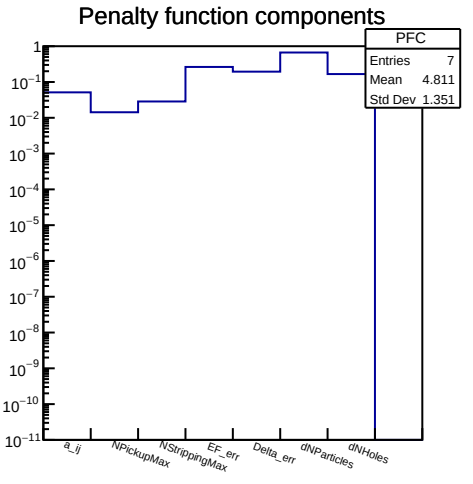
-6417.02 2s1/2 0.385 0.95

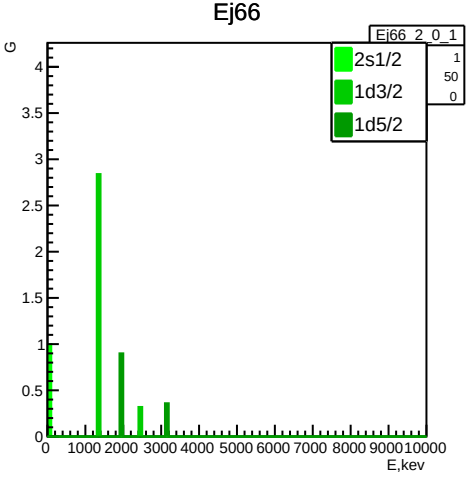
-3622.63 1d3/2 0.18625 1.0125

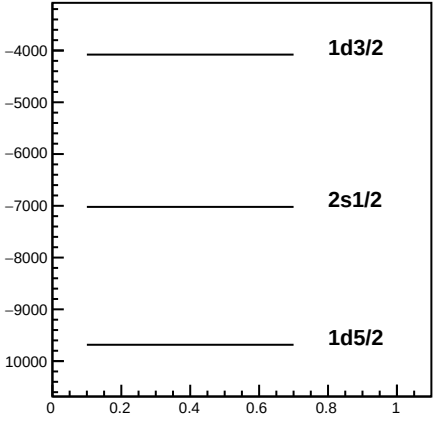
-13797 1g7/2 0.531875 5.58294e-322











Experiment: Go68 (6) Ej66 (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7311.9 ± 216.249 keV

Δ: -4550.26 ± 546.389 keV

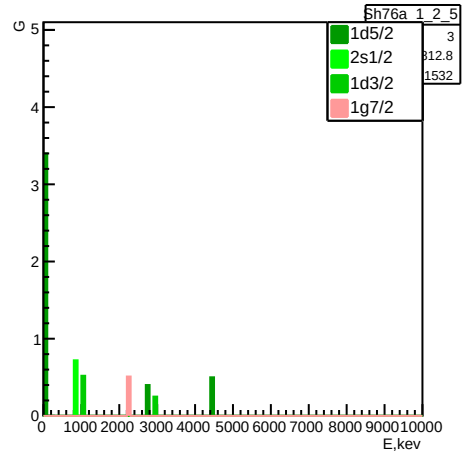
penalty: 0.266474

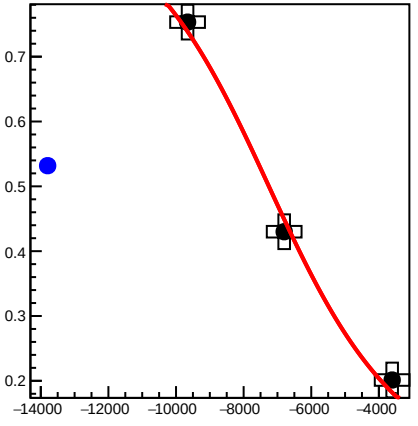
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

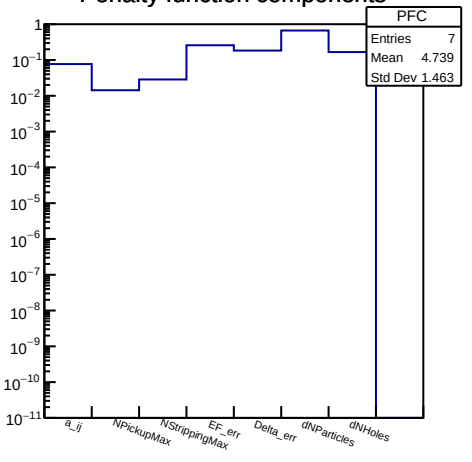
-9684.36 1d5/2 0.746667 0.913333

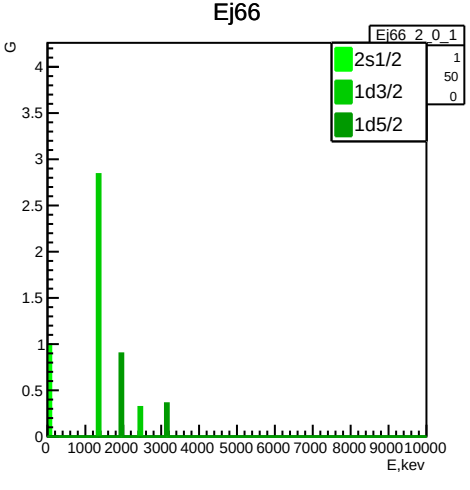
-7020.98 2s1/2 0.4475 0.895

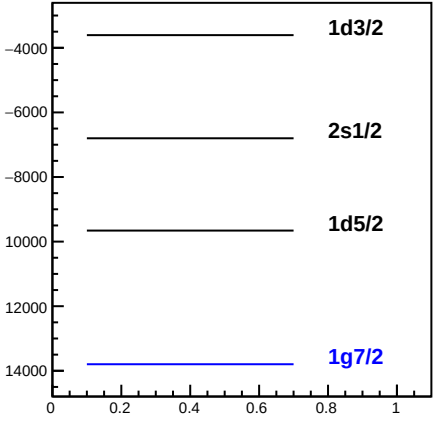
-4079.05 1d3/2 0.22875 1.0375











Experiment: Sh76a (7) Ej66 (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7253.32 ± 212.018 keV

Δ: -4423.98 ± 515.38 keV

penalty: 0.268273

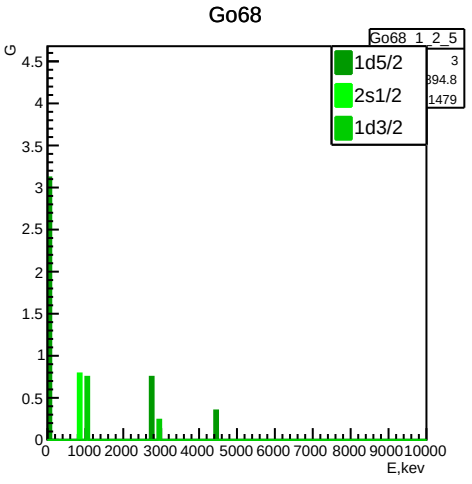
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

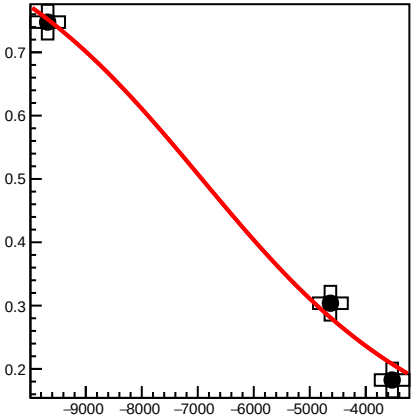
-9658.53 1d5/2 0.753333 0.926667

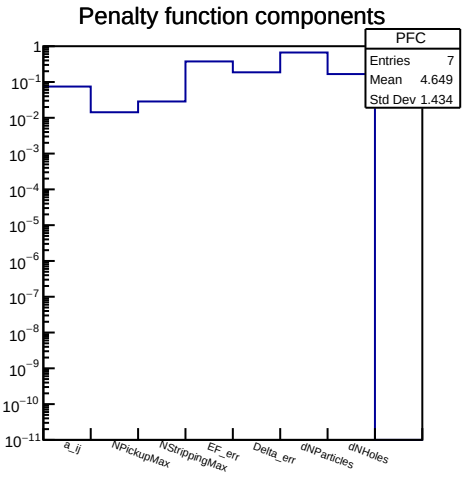
-6800.9 2s1/2 0.43 0.86

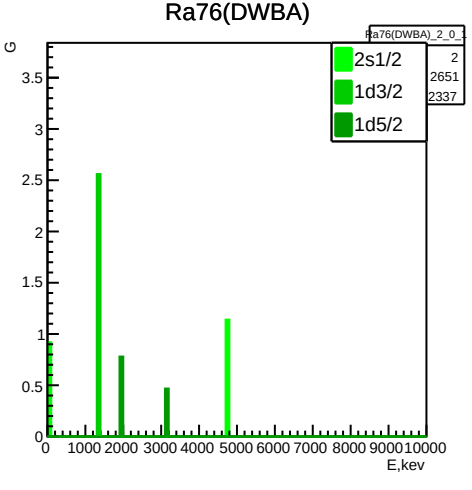
-3607.09 1d3/2 0.20125 0.9825

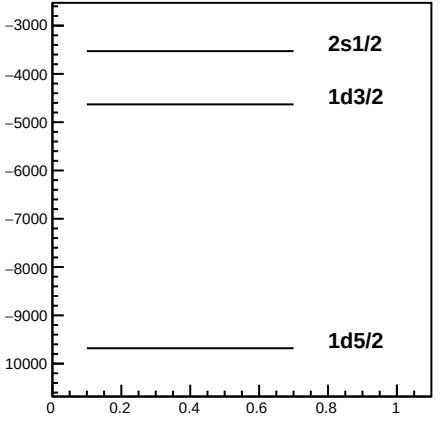
-13797 1g7/2 0.531875 5.58294e-322











Experiment: Go68 (6) Ra76(DWBA) (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6927.1 ± 308.189 keV

Δ: 4717.48 ± 523.847 keV

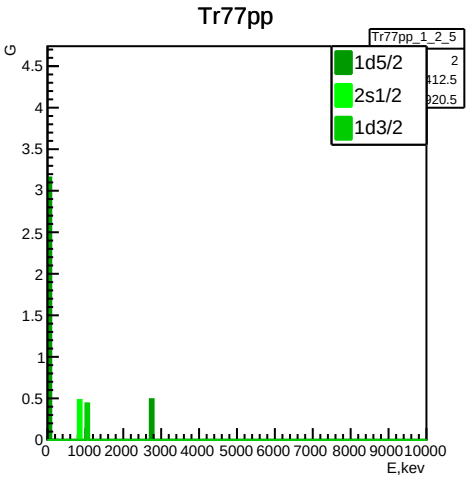
penalty: 0.290938

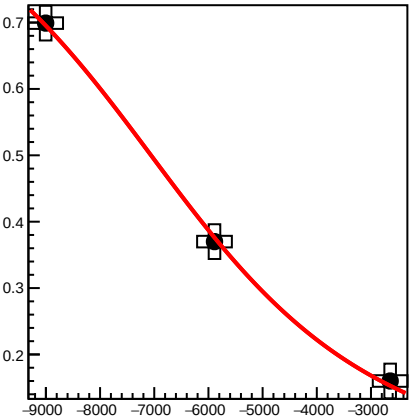
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

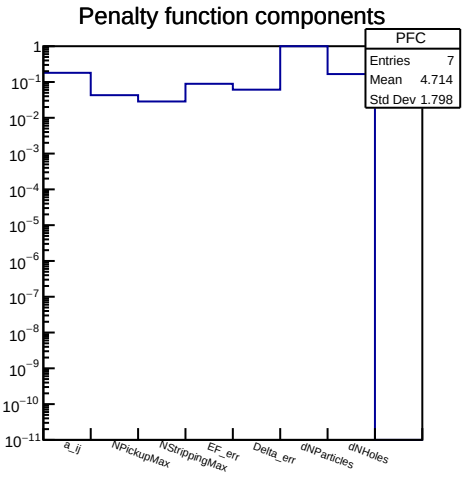
-9681.12 1d5/2 0.747667 0.911333

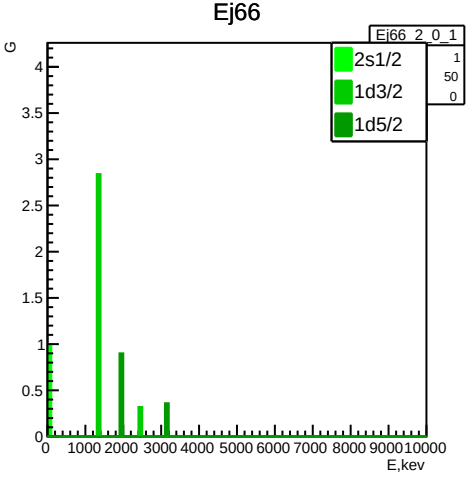
-3528.44 2s1/2 0.1825 1.425

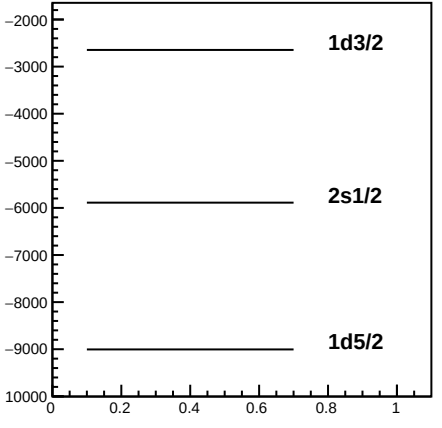
-4631.23 1d3/2 0.30375 0.8875











Experiment: Tr77pp (4) Ej66 (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7059.25 ± 73.1329 keV

Δ: 4575.99 ± 171.445 keV

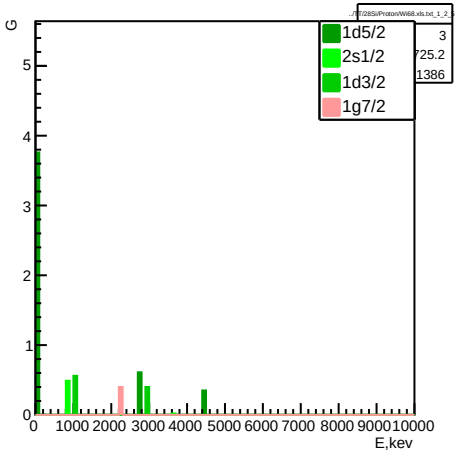
penalty: 0.301696

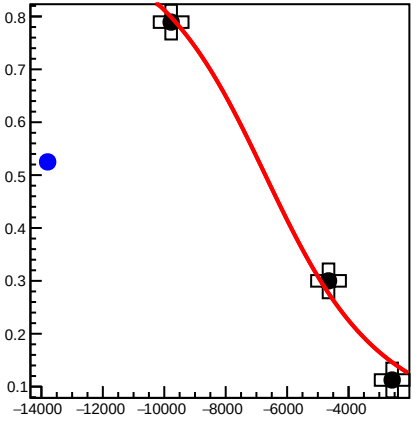
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

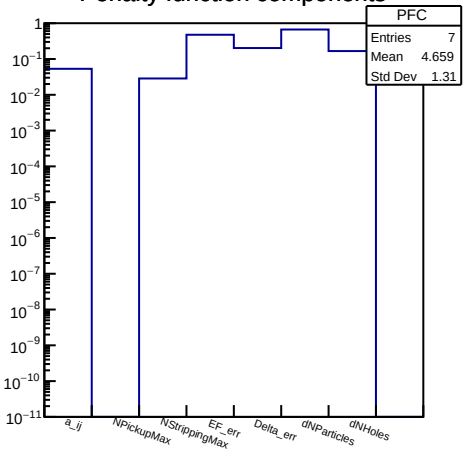
-9004.53 1d5/2 0.699167 0.818333

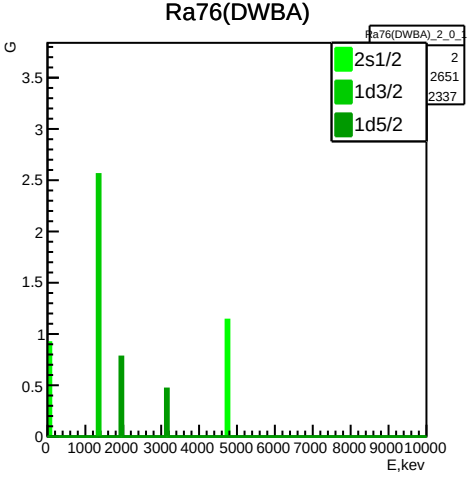
-5888.27 2s1/2 0.37 0.74

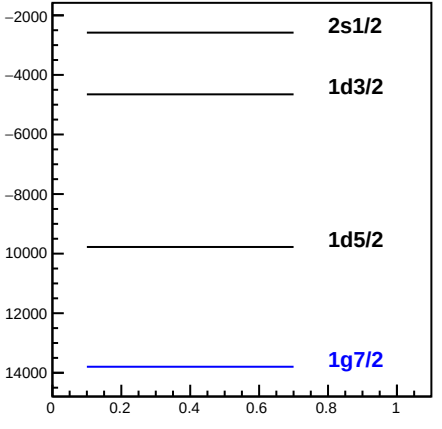
-2646.15 1d3/2 0.16 0.9











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

penalty: 0.306431

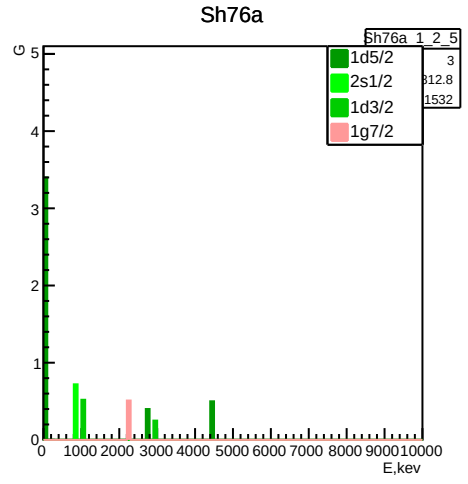
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

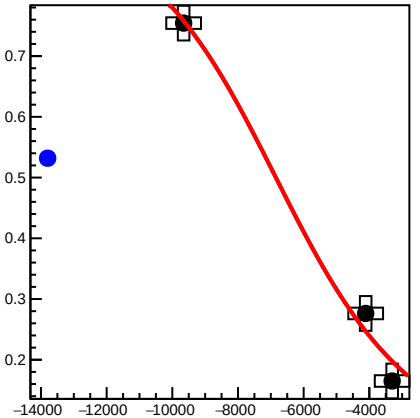
-9776.47 1d5/2 0.789333 0.994667

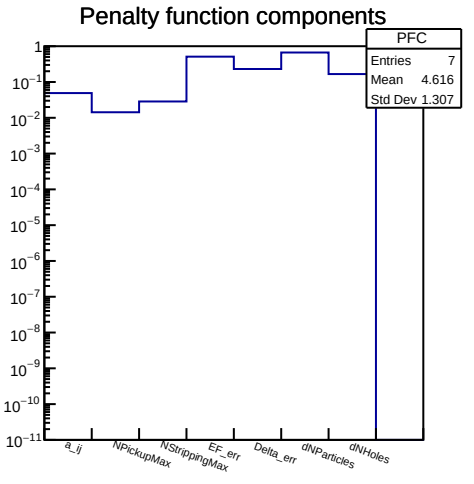
-2580.83 2s1/2 0.1125 1.285

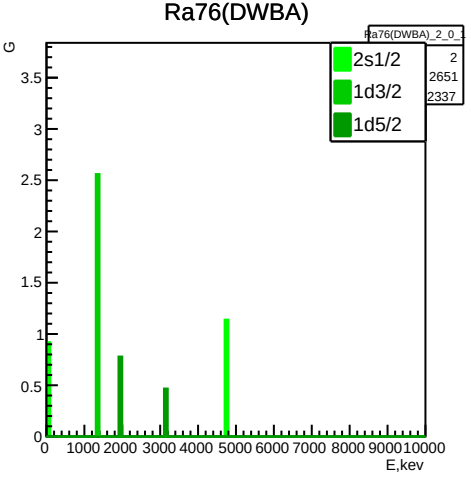
-4652.75 1d3/2 0.3 0.88

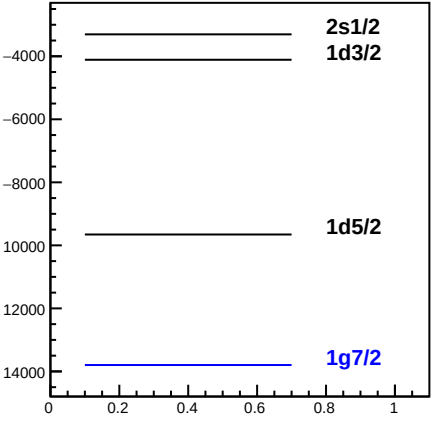
-13797 1g7/2 0.525 5.58294e-322











Experiment: Sh76a (7) Ra76(DWBA) (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6846.22 ± 419.142 keV

Δ: 4661.49 ± 648.232 keV

penalty: 0.32054

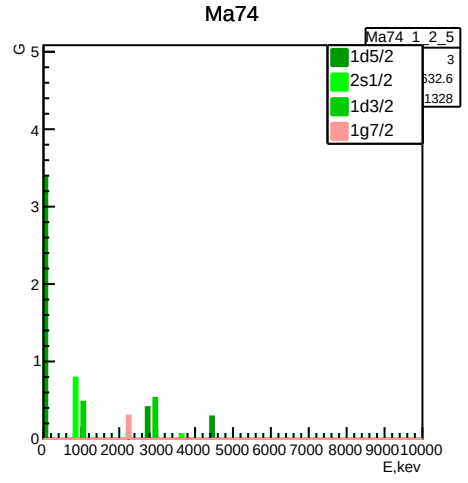
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

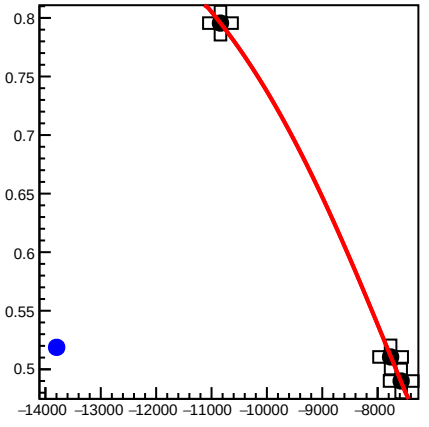
-9655.27 1d5/2 0.754333 0.924667

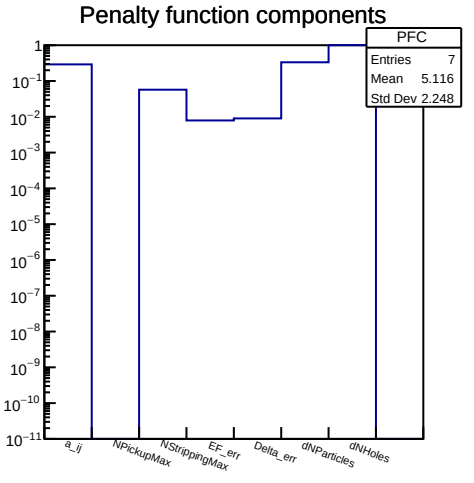
-3304.33 2s1/2 0.165 1.39

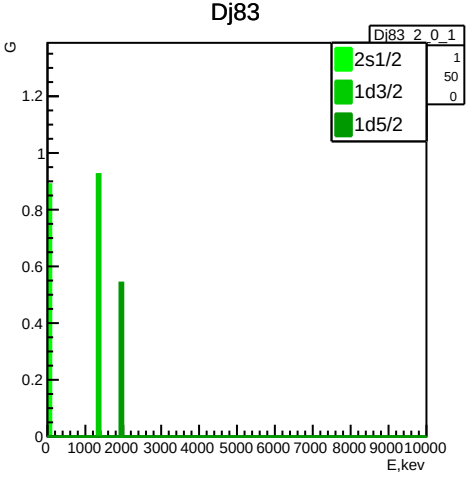
-4110.71 1d3/2 0.27625 0.8325

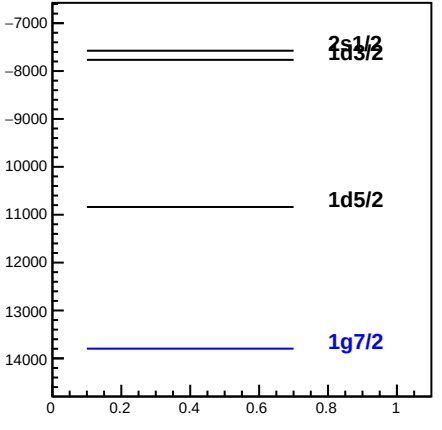
-13797 1g7/2 0.531875 5.58294e-322











Experiment: Ma74 (8) Dj83 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7668.38 ± 6.48053 keV

Δ: 4324.42 ± 25.3046 keV

penalty: 0.326673

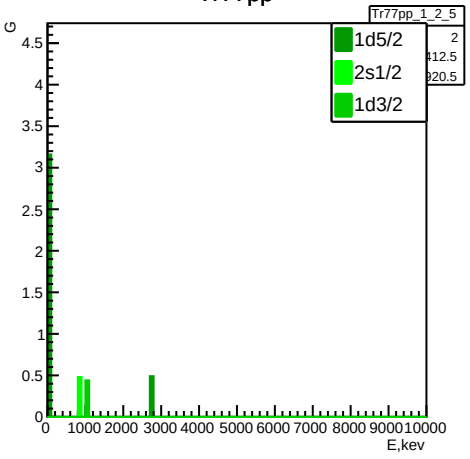
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

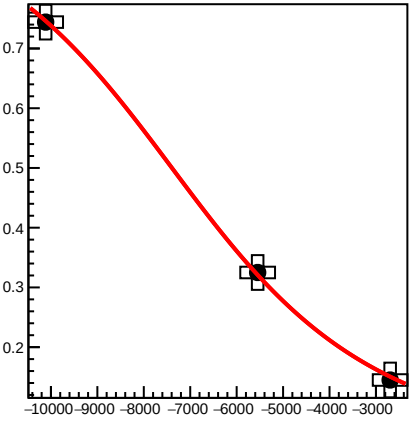
-10838.7 1d5/2 0.795592 0.77215

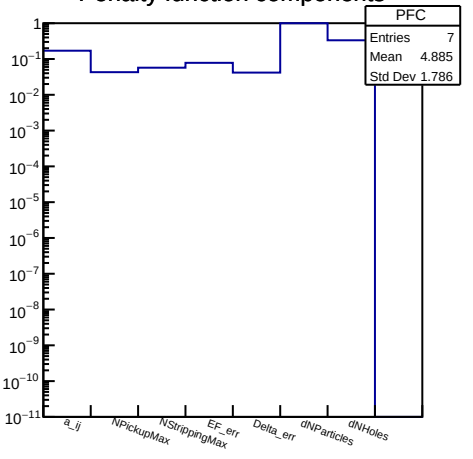
-7575.35 2s1/2 0.49 0.87

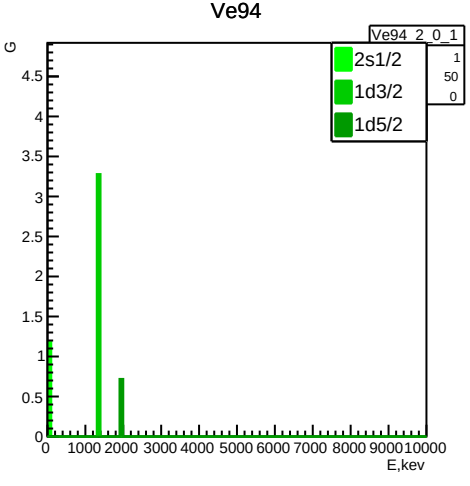
-7766.07 1d3/2 0.51055 0.4839

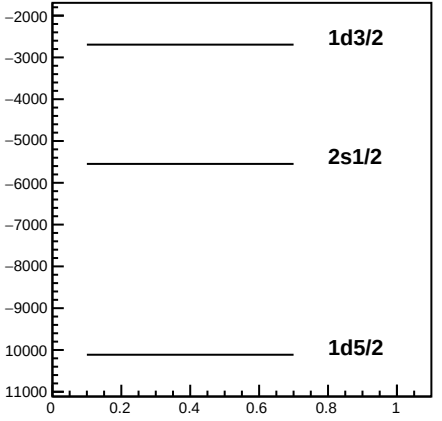
-13797 1g7/2 0.51875 5.58294e-322











Experiment: Tr77pp (4) Ve94 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7393.53 ± 64.1459 keV

Δ: 4810.73 ± 117.108 keV

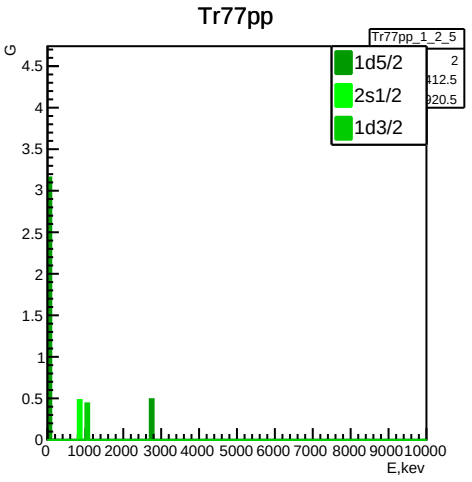
penalty: 0.331491

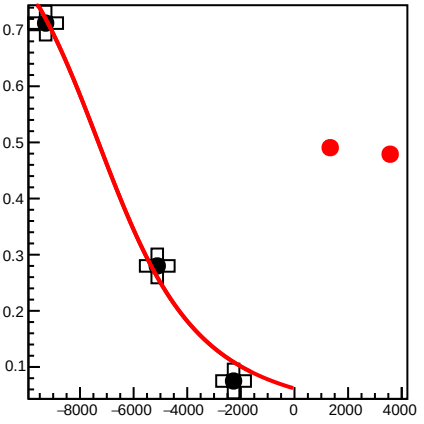
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

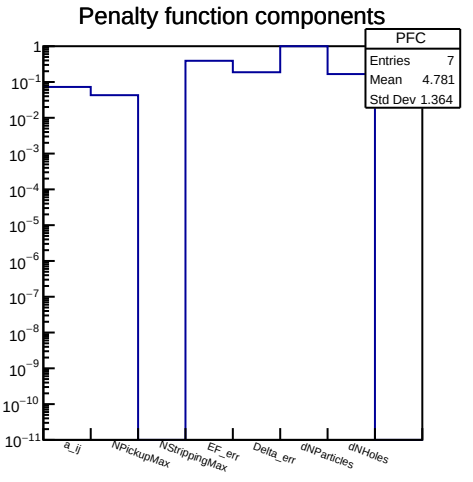
-10113.9 1d5/2 0.744167 0.728333

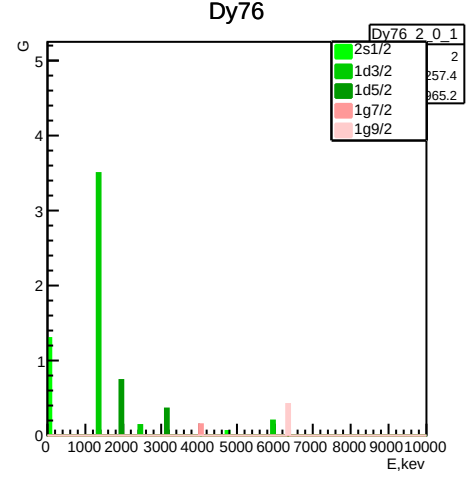
-5547.85 2s1/2 0.325 0.83

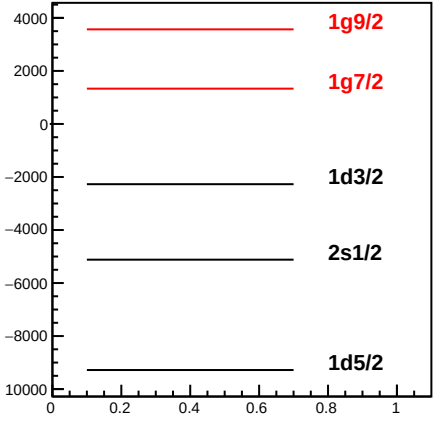
-2694.07 1d3/2 0.145 0.93











Experiment: Tr77pp (4) Dy76 (9)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7312.84 ± 321.221 keV

Δ: 4012.4 ± 526.274 keV

penalty: 0.357908

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

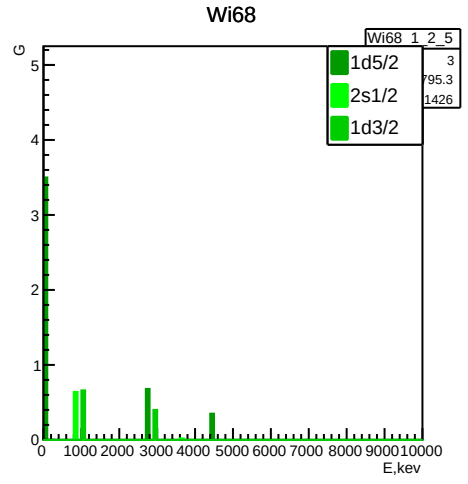
-9281.06 1d5/2 0.7125 0.791667

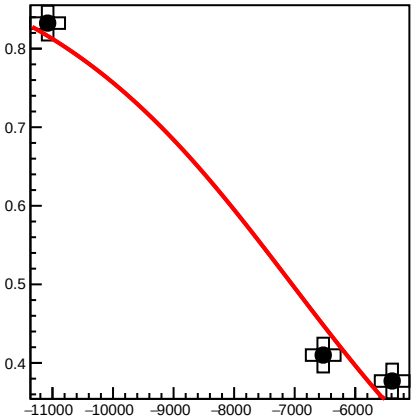
-5118.85 2s1/2 0.28 0.92

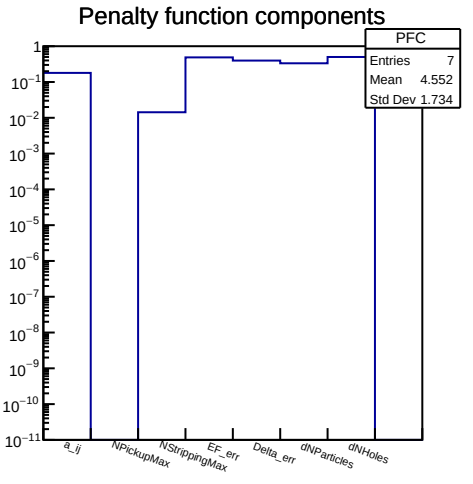
-2272 1d3/2 0.075 1.07

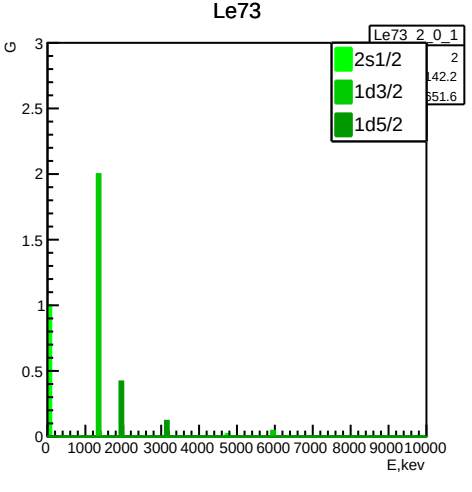
1331.66 1g7/2 0.490625 1.2732e-313

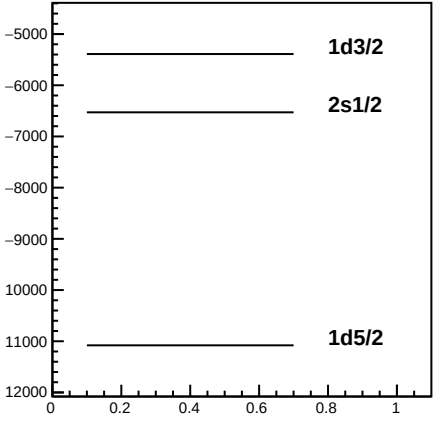
3568.16 1g9/2 0.479 2.37152e-322











Experiment: Wi68 (7) Le73 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7043.5 ± 399.871 keV

Δ: 4944.04 ± 1114.32 keV

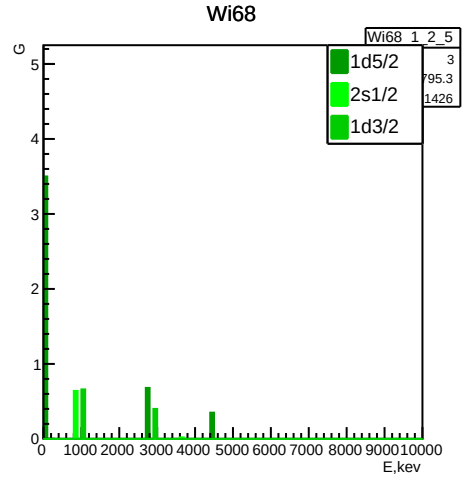
penalty: 0.367572

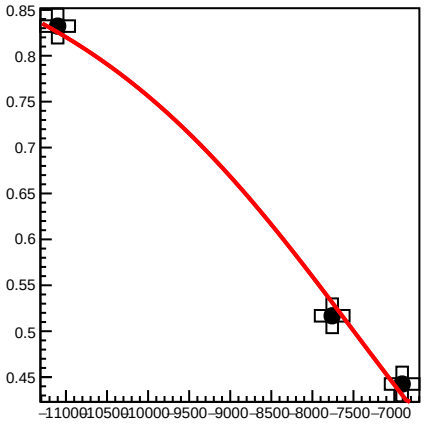
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

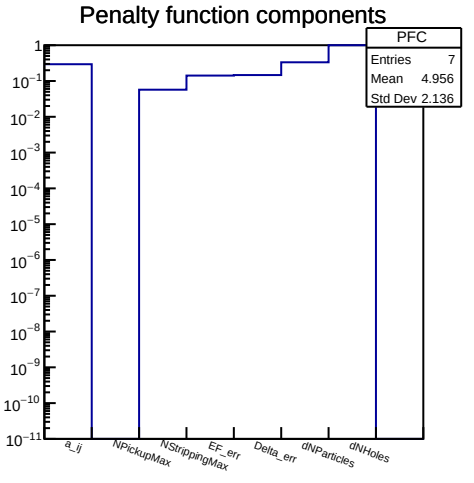
-11079.8 1d5/2 0.8325 0.845

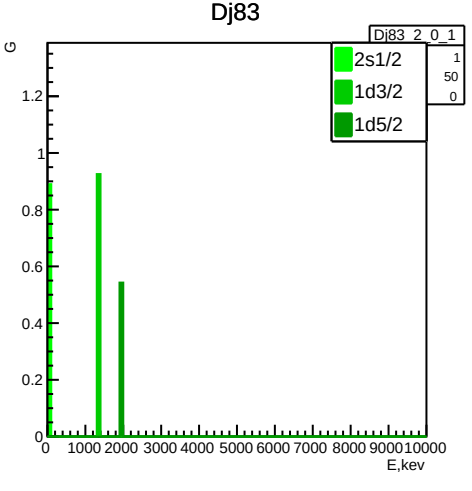
-6528.78 2s1/2 0.41 0.84

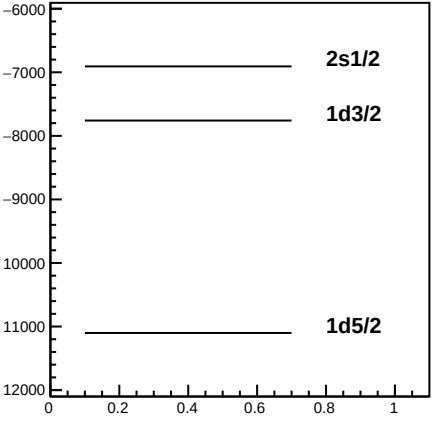
-5390.28 1d3/2 0.377 0.776











Experiment: Wi68 (7) Dj83 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7495.89 ± 116.376 keV

Δ: 4201.69 ± 411.51 keV

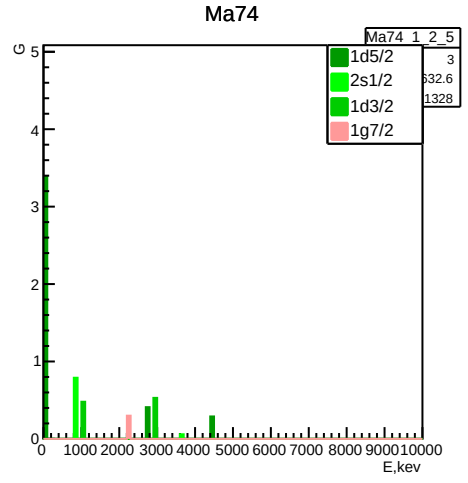
penalty: 0.379463

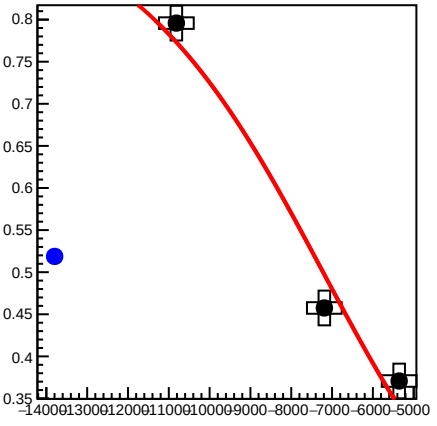
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

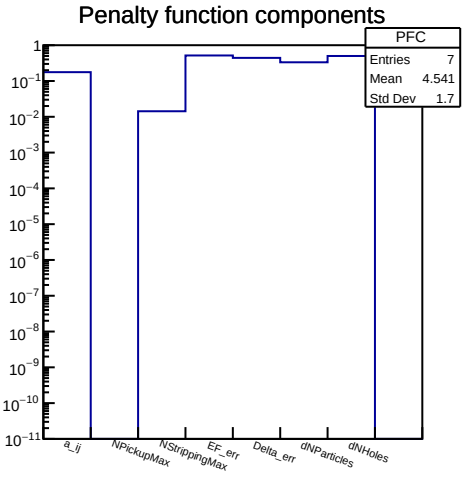
-11101.1 1d5/2 0.832258 0.845483

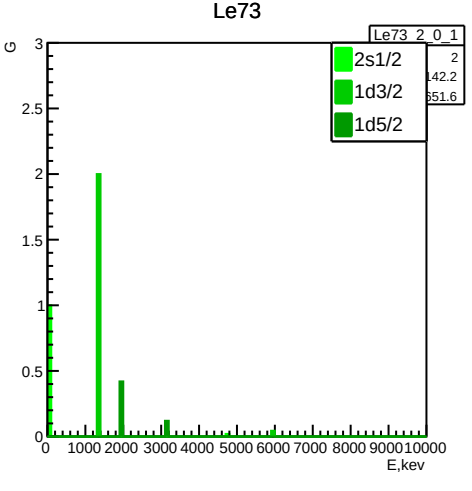
-6907.21 2s1/2 0.4425 0.775

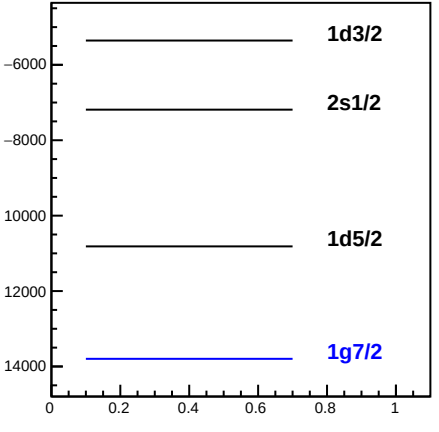
-7758.97 1d3/2 0.5168 0.4964











Experiment: Ma74 (8) Le73 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7220.08 ± 424.122 keV

Δ: 5510.74 ± 1242.7 keV

penalty: 0.381459

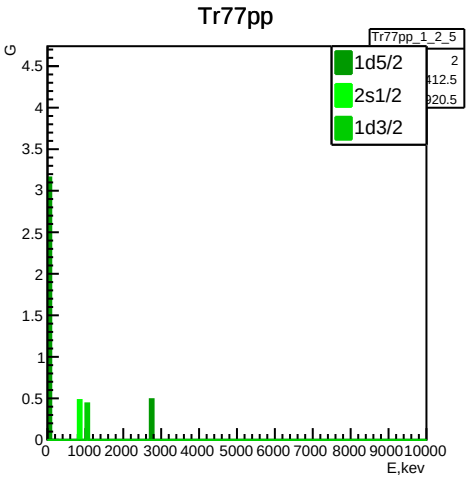
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

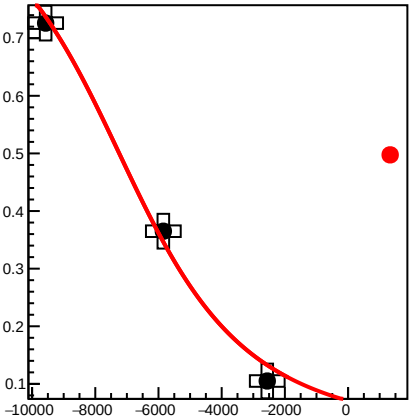
-10815.1 1d5/2 0.795833 0.771667

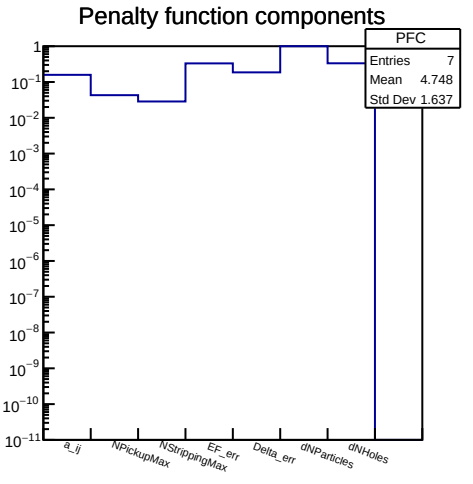
-7188.92 2s1/2 0.4575 0.935

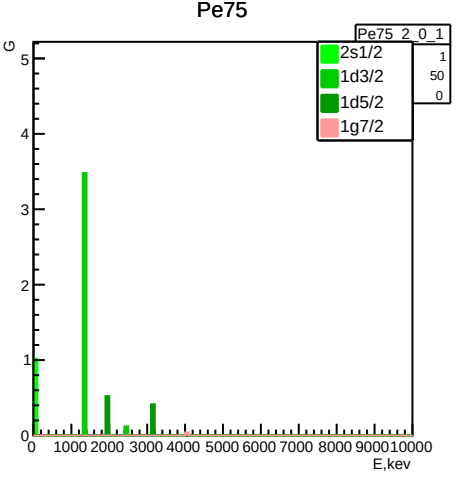
-5356 1d3/2 0.37075 0.7635

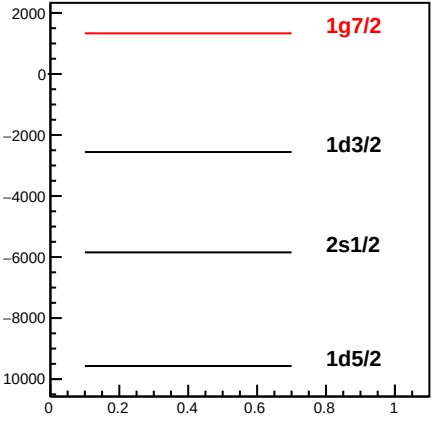
-13797 1g7/2 0.51875 5.58294e-322











Experiment: Tr77pp (4) Pe75 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7242.04 ± 271.858 keV

Δ: -4322.57 ± 522.073 keV

penalty: 0.400095

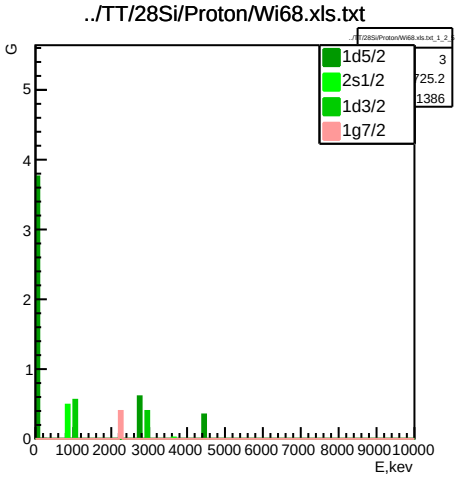
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

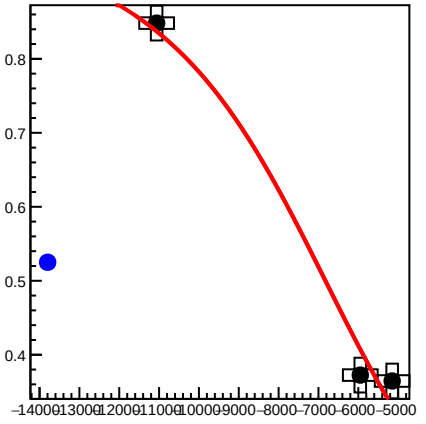
-9570.97 1d5/2 0.726167 0.764333

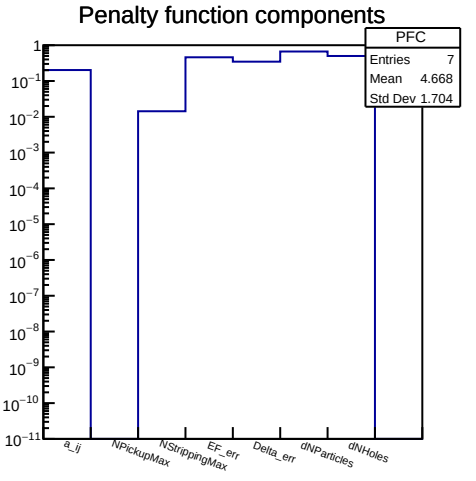
-5846.41 2s1/2 0.365 0.75

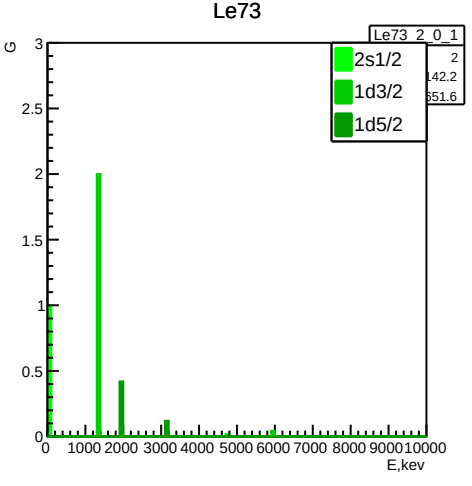
-2557.96 1d3/2 0.105 1.01

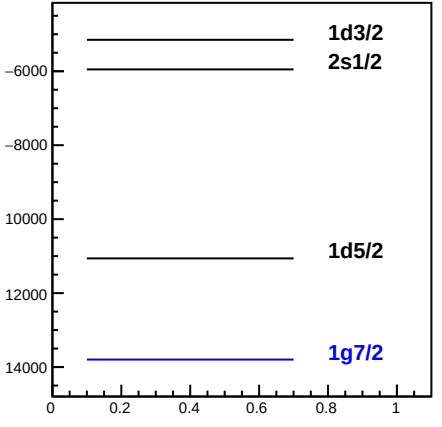
1331.66 1g7/2 0.4975 5.58294e-322











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6825.04 ± 377.493 keV

Δ: 4637.48 ± 974.008 keV

penalty: 0.421201

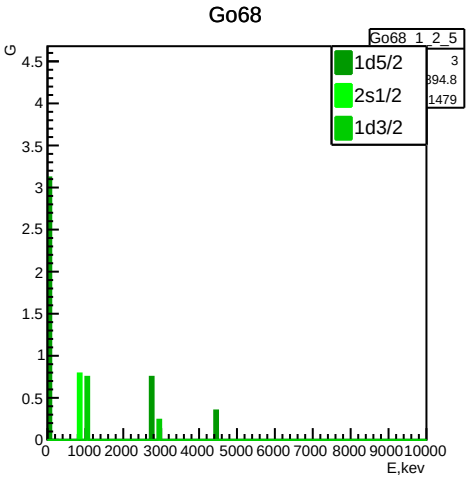
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

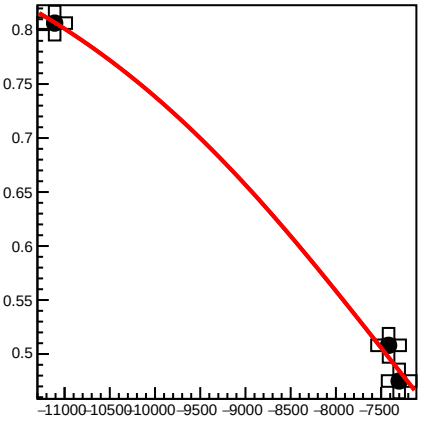
-11061.6 1d5/2 0.848333 0.876667

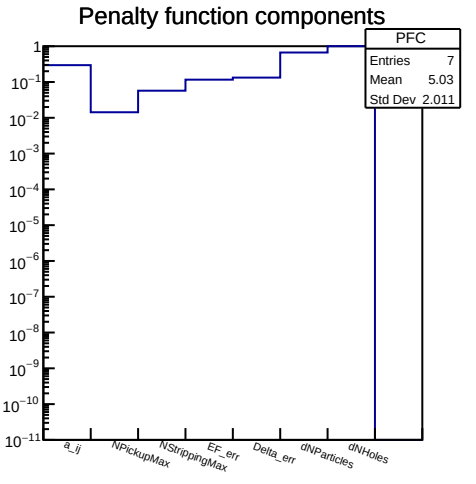
-5950.35 2s1/2 0.3725 0.765

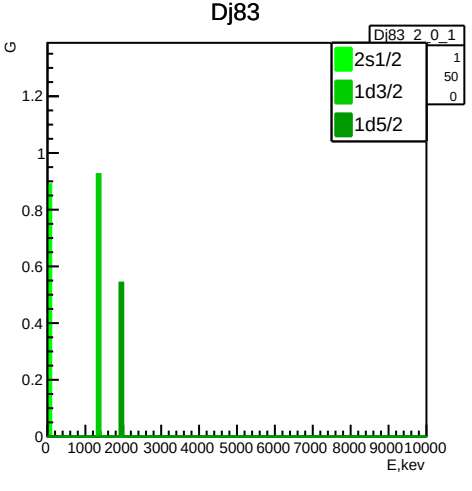
-5150.29 1d3/2 0.3645 0.751

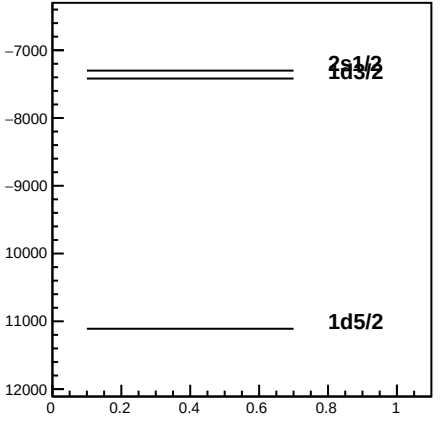
-13797 1g7/2 0.525 5.58294e-322











Experiment: Go68 (6) Dj83 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7446.45 ± 95.4061 keV

Δ: -4709.16 ± 372.631 keV

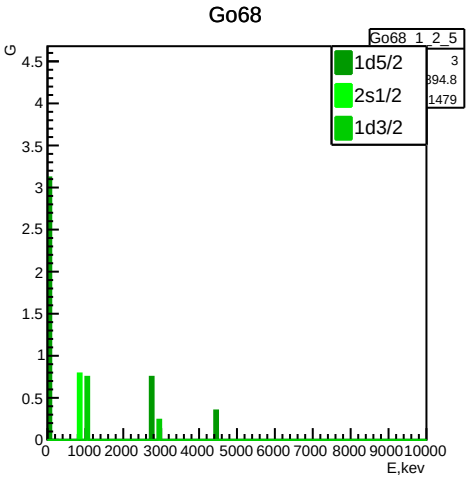
penalty: 0.439003

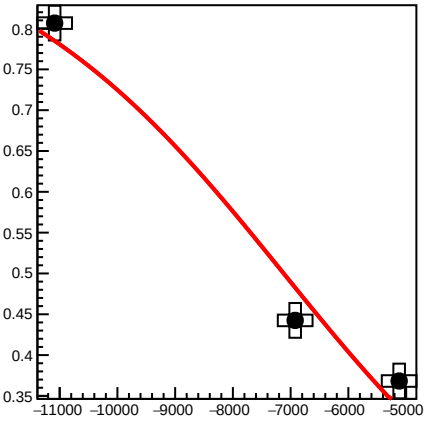
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

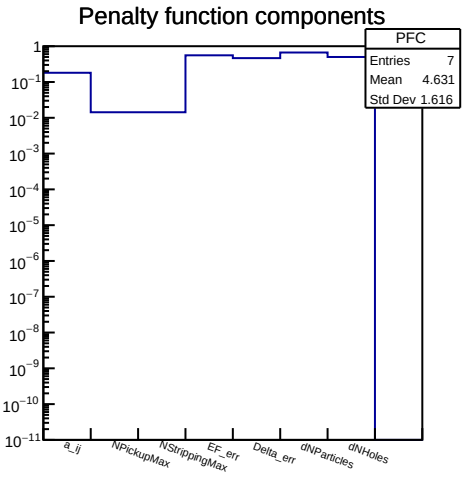
-11109.8 1d5/2 0.806425 0.793817

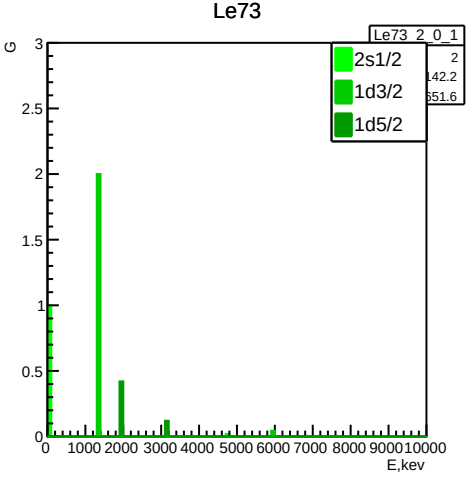
-7300.7 2s1/2 0.475 0.84

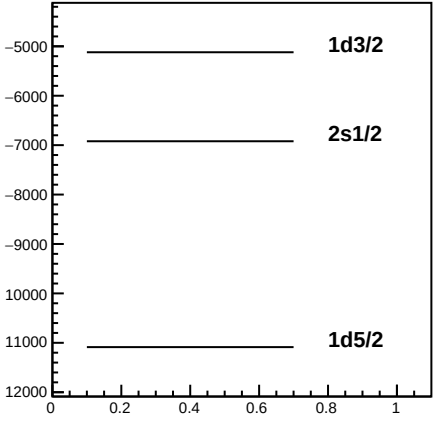
-7417.76 1d3/2 0.50805 0.4789











Experiment: Go68 (6) Le73 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7120.29 ± 457.01 keV

Δ: 5721.44 ± 1304.53 keV

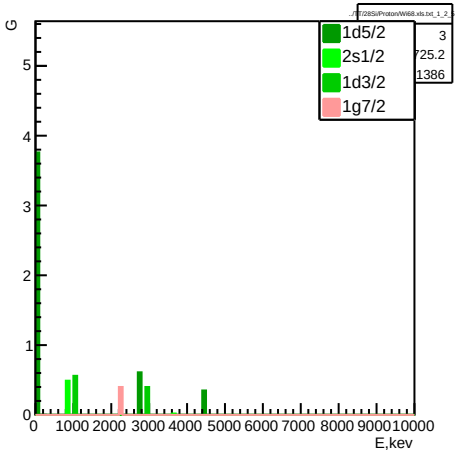
penalty: 0.461105

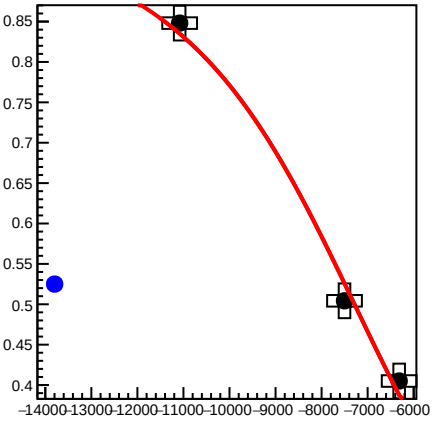
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

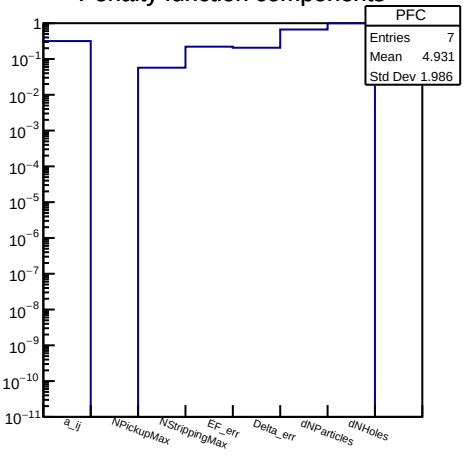
-11087.1 1d5/2 0.806667 0.793333

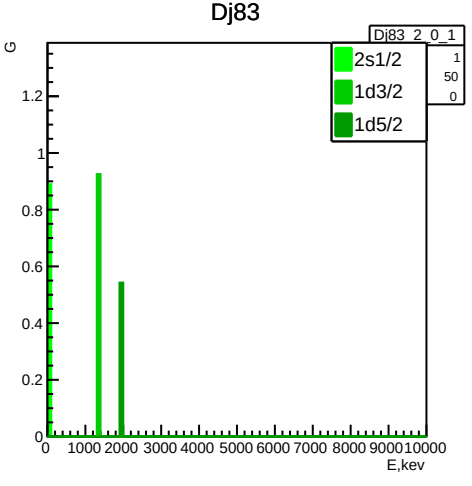
-6921.19 2s1/2 0.4425 0.905

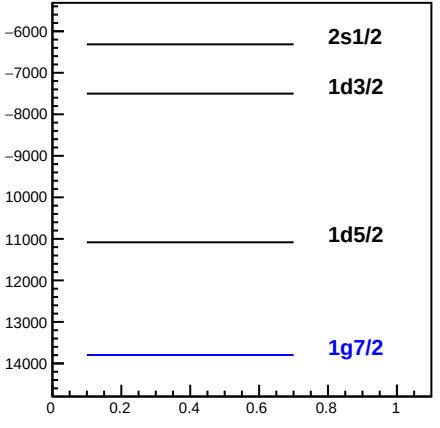
-5120.2 1d3/2 0.36825 0.7585











Experiment: ../TT/28Si/Proton/Wi68.xls.txt (8

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7285.26 ± 181.42 keV

Δ: -4205.17 ± 579.647 keV

penalty: 0.474702

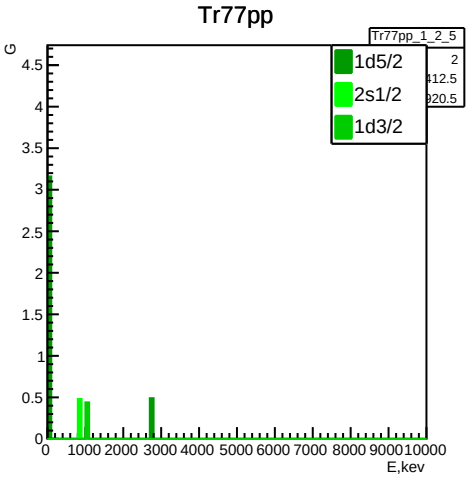
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

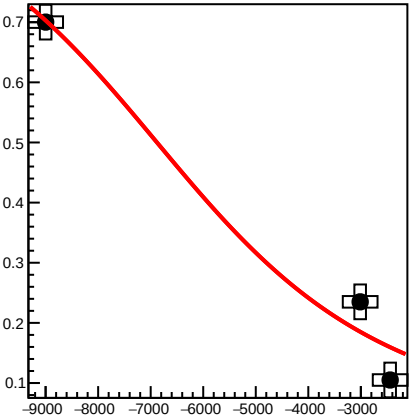
-11082.2 1d5/2 0.848092 0.87715

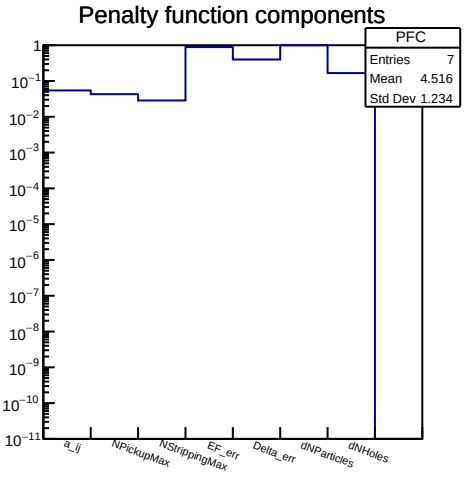
-6315.62 2s1/2 0.405 0.7

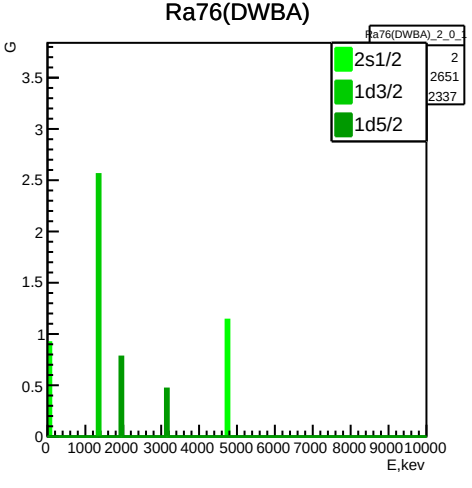
-7502.26 1d3/2 0.5043 0.4714

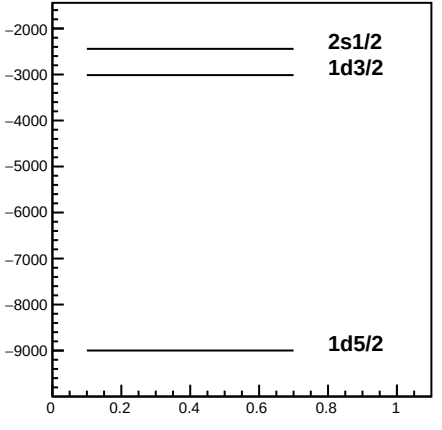
-13797 1g7/2 0.525 5.58294e-322











Experiment: Tr77pp (4) Ra76(DWBA) (5)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6880.17 ± 728.762 keV

Δ: 4773.31 ± 1119.46 keV

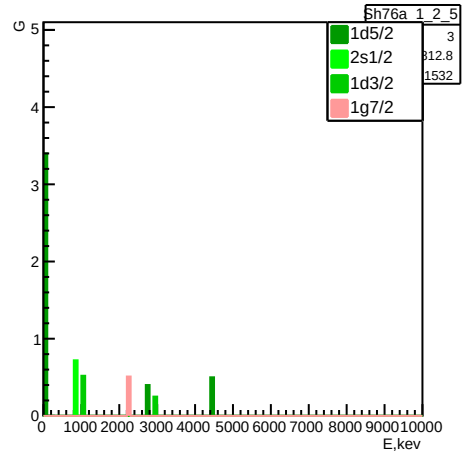
penalty: 0.496017

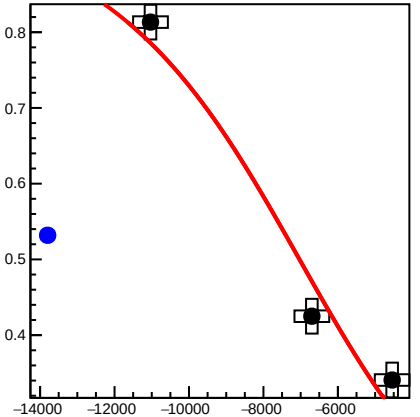
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

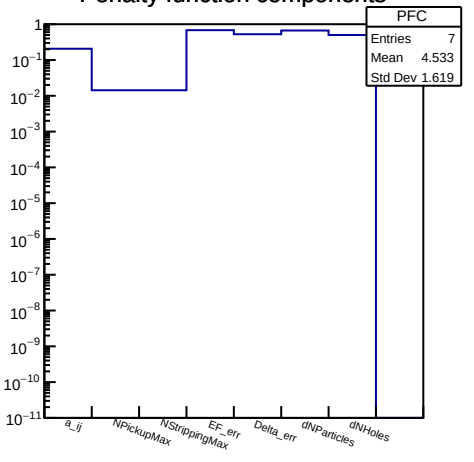
-8999.24 1d5/2 0.700167 0.816333

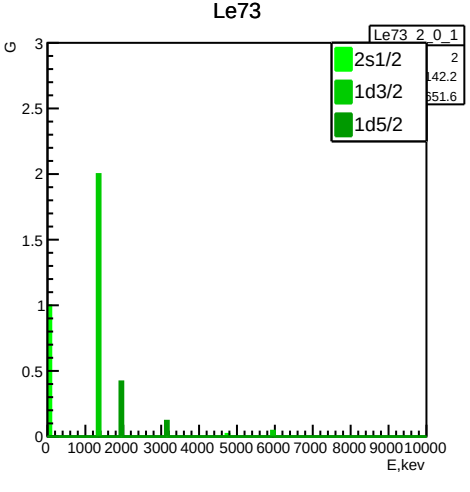
-2442.18 2s1/2 0.105 1.27

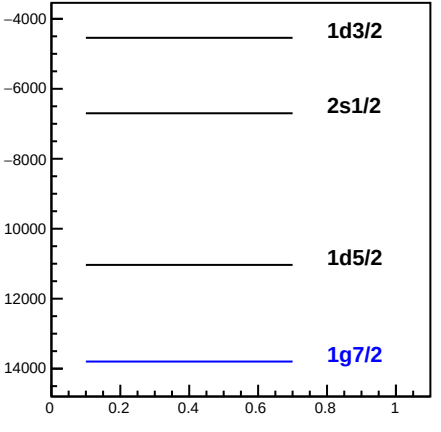
-3012.98 1d3/2 0.235 0.75











Experiment: Sh76a (7) Le73 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7032.39 ± 559.585 keV

Δ: 5745.47 ± 1473.46 keV

penalty: 0.501624

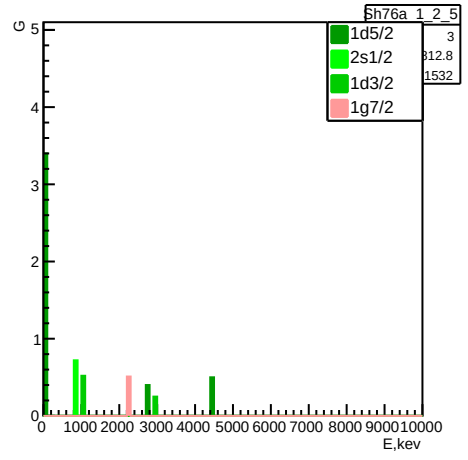
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

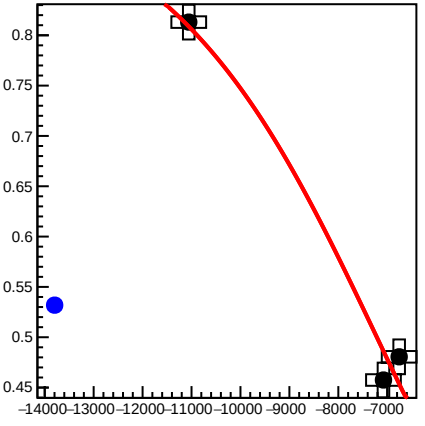
-11034.2 1d5/2 0.813333 0.806667

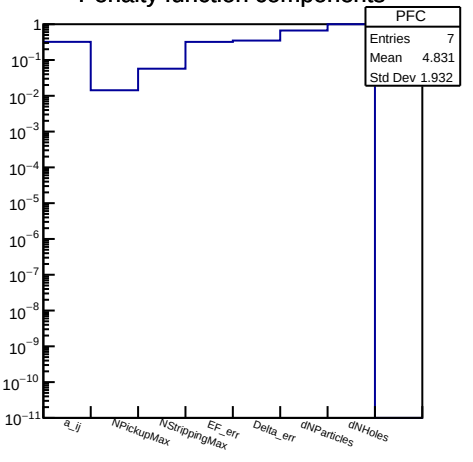
-6699.62 2s1/2 0.425 0.87

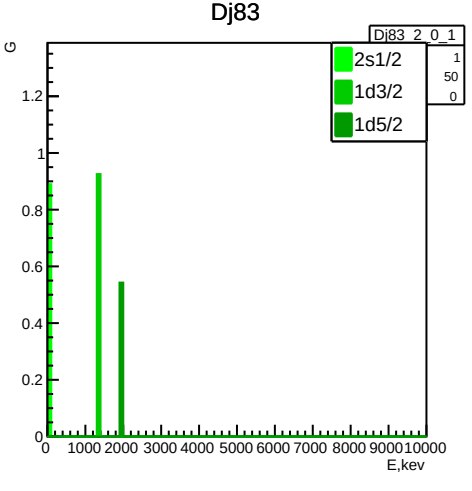
-4542.45 1d3/2 0.34075 0.7035

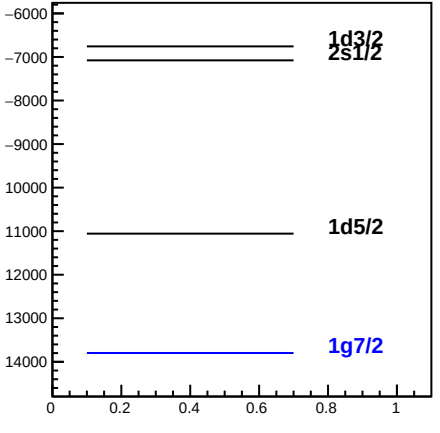
-13797 1g7/2 0.531875 5.58294e-322











Experiment: Sh76a (7) Dj83 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -7212.79 ± 263.066 keV

Δ: 4896.39 ± 979.973 keV

penalty: 0.524801

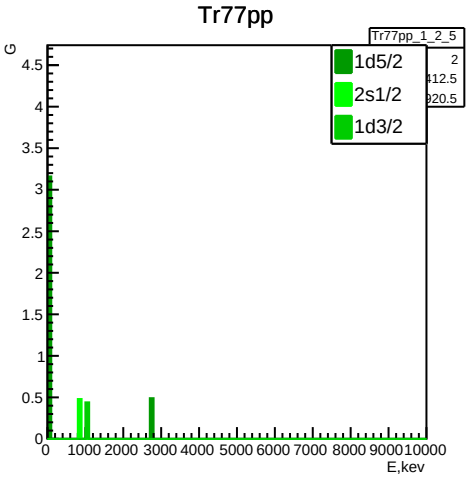
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

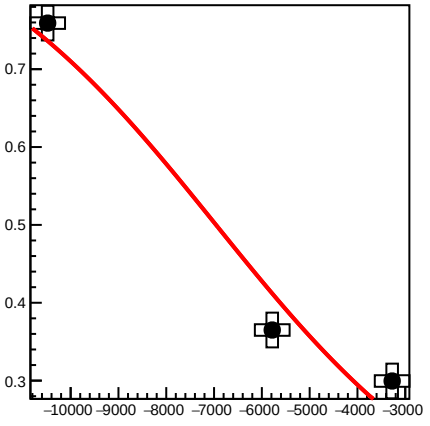
-11056.6 1d5/2 0.813092 0.80715

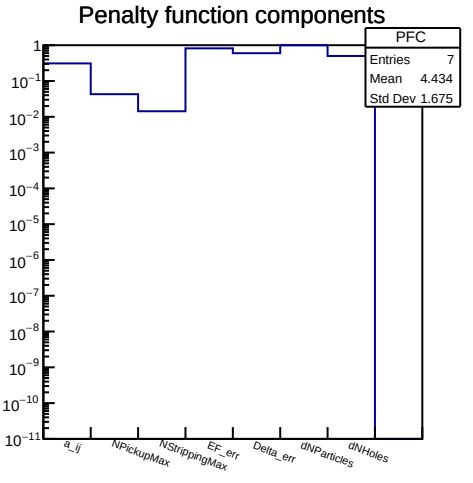
-7077.74 2s1/2 0.4575 0.805

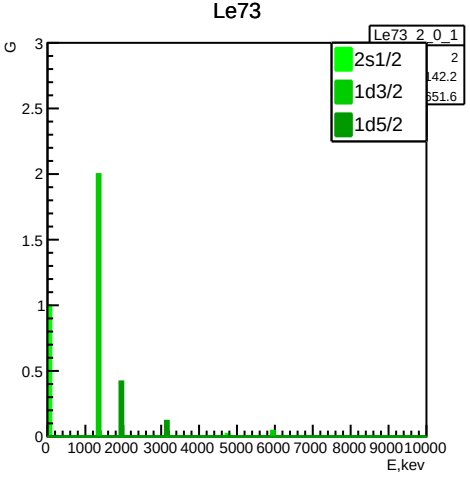
-6757.03 1d3/2 0.48055 0.4239

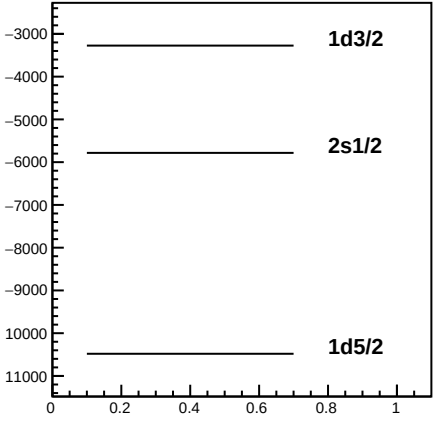
-13797 1g7/2 0.531875 5.58294e-322











Experiment: Tr77pp (4) Le73 (6)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6958.57 ± 670.647 keV

Δ: 6569.86 ± 1680.21 keV

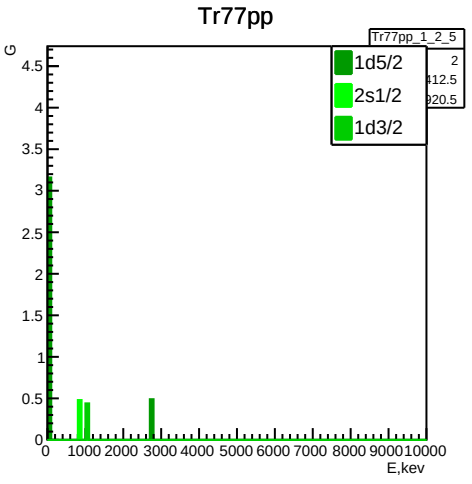
penalty: 0.631331

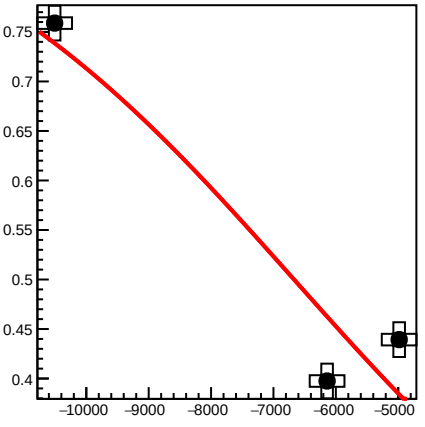
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

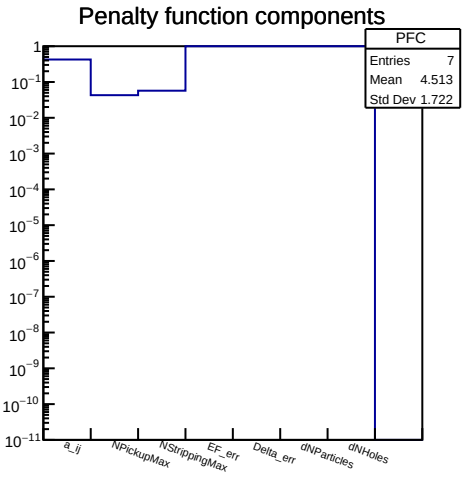
-10481.2 1d5/2 0.759167 0.698333

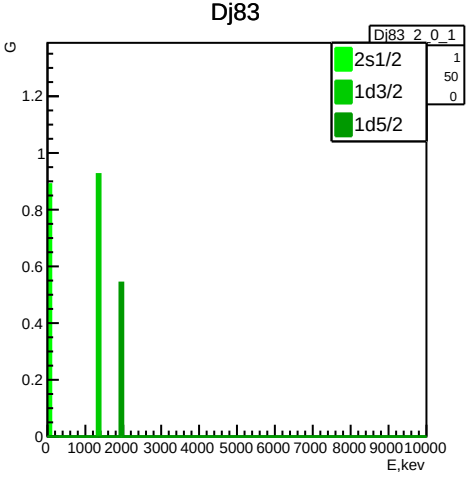
-5782.96 2s1/2 0.365 0.75

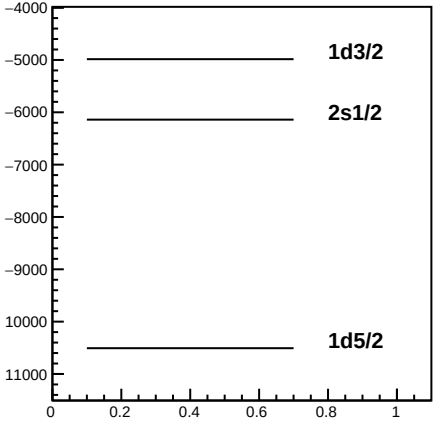
-3274.05 1d3/2 0.2995 0.621











Experiment: Tr77pp (4) Dj83 (3)

proton transfer

p separation energy A:11585, A+1: 2748.84

E_F: -6670.29 ± 820.748 keV

Δ: 7065.33 ± 2807.67 keV

penalty: 0.870178

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

-10507.5 1d5/2 0.758925 0.698817

-6140.34 2s1/2 0.3975 0.685

-4985 1d3/2 0.4393 0.3414