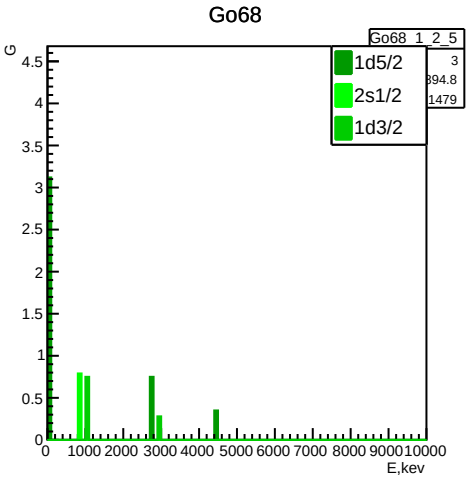
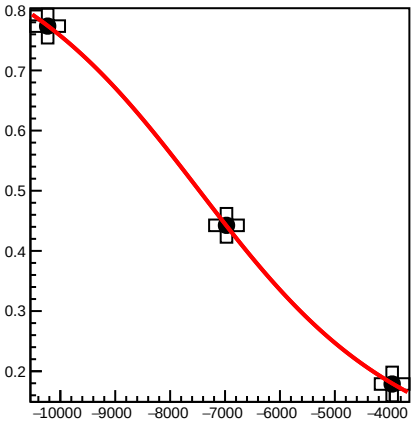
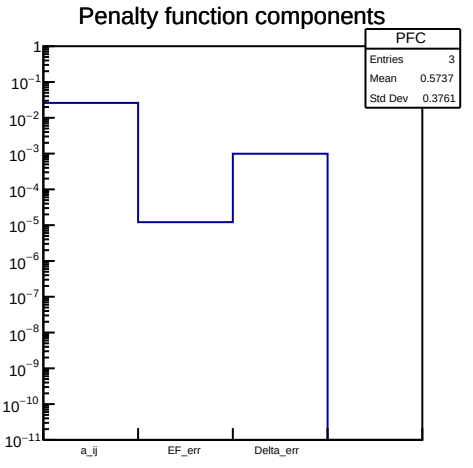
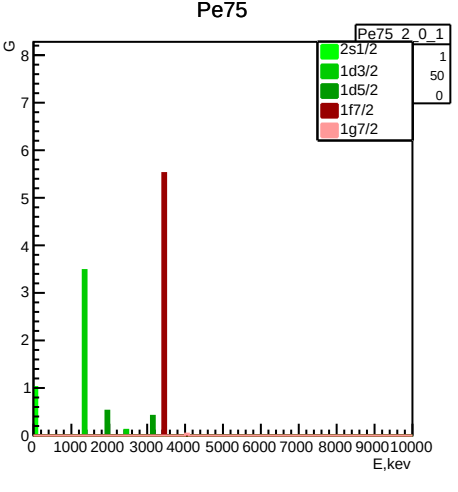
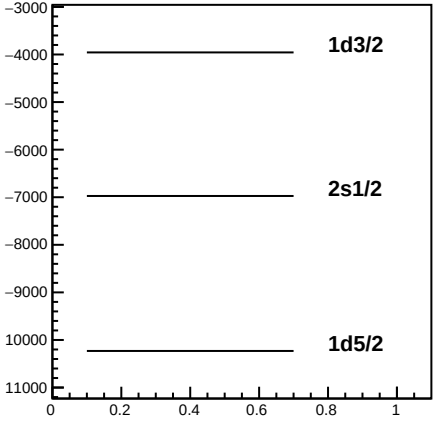










Experiment: Go68 (6) Pe75 (7)

proton transfer

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

E_F: -7467.9 ± 9.9017 keV

Δ: 4210.54 ± 22.0667 keV

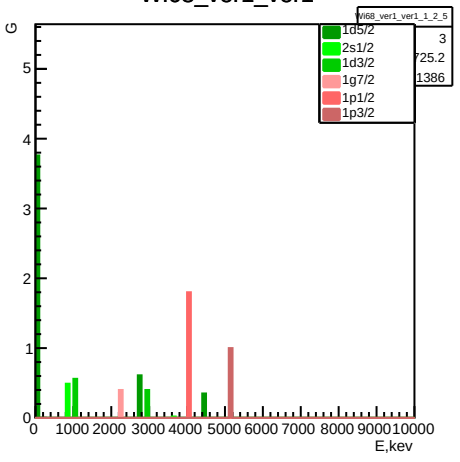
penalty: 0.00901937

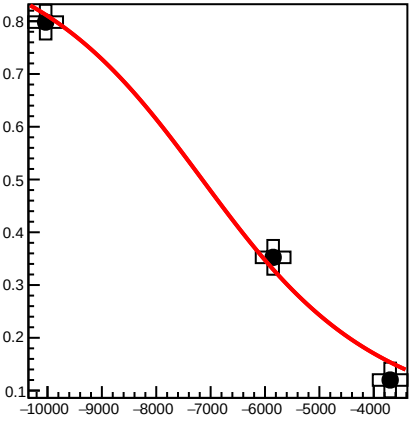
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

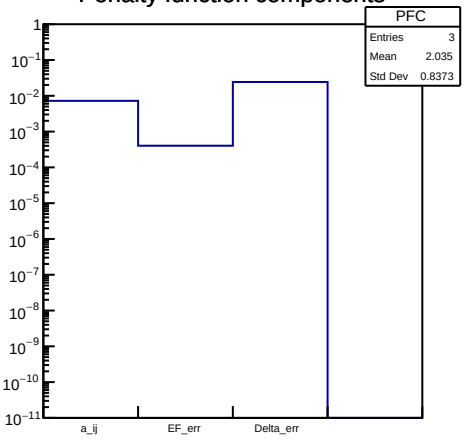
-10230.9 1d5/2 0.773667 0.859333

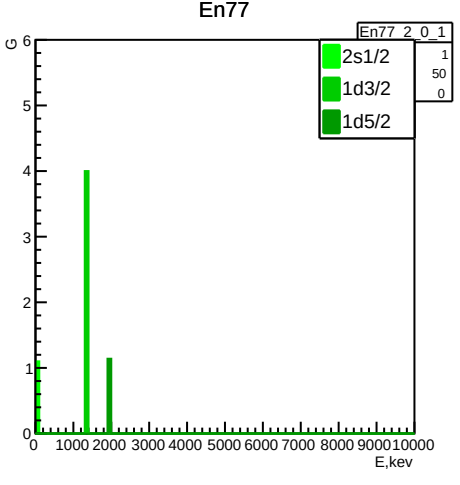
-6973.77 2s1/2 0.4425 0.905

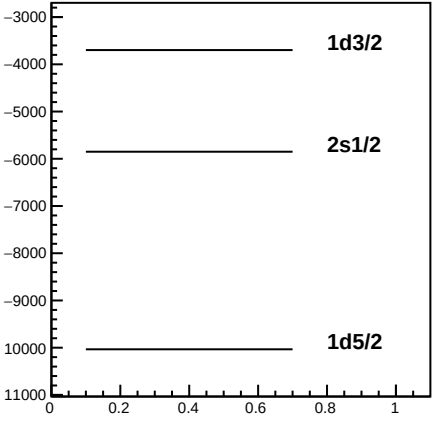
-3956.54 1d3/2 0.17875 1.1575











Experiment: Wi68_ver1_ver1 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

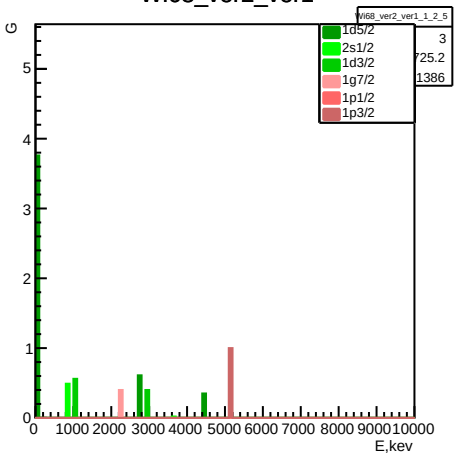
penalty: 0.0106449

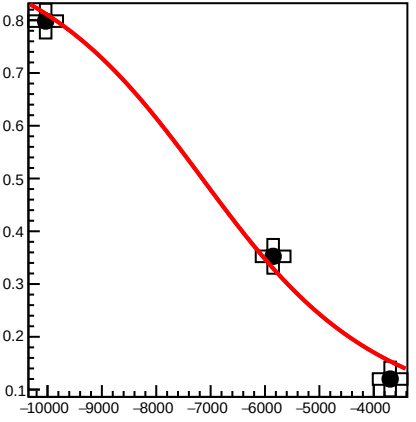
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

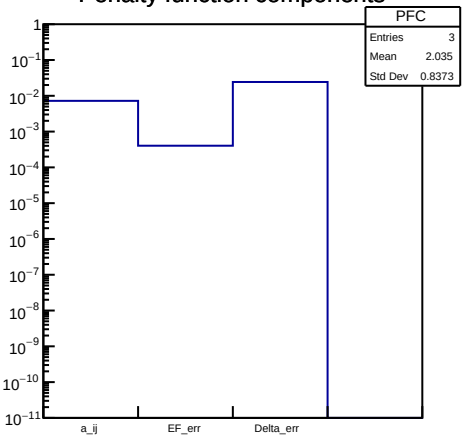
-10034 1d5/2 0.798333 0.976667

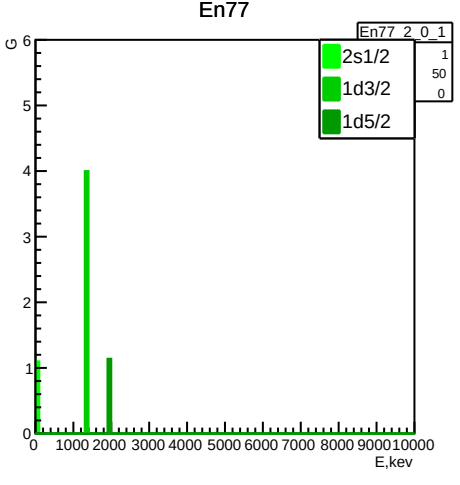
-5850.38 2s1/2 0.3525 0.805

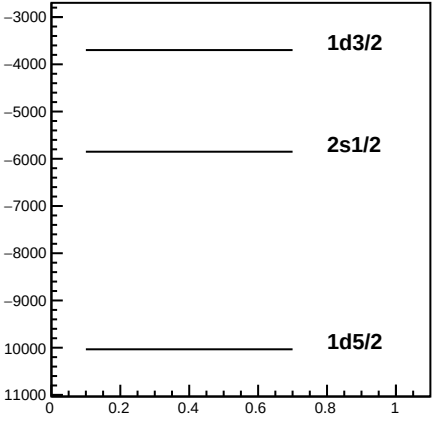
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver2_ver1 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

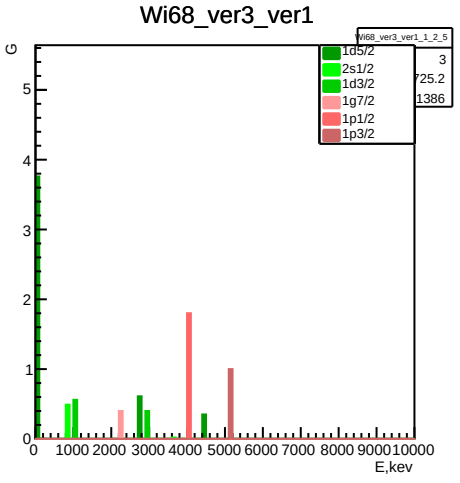
penalty: 0.0106449

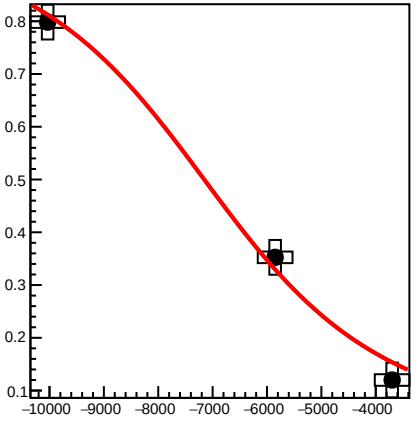
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

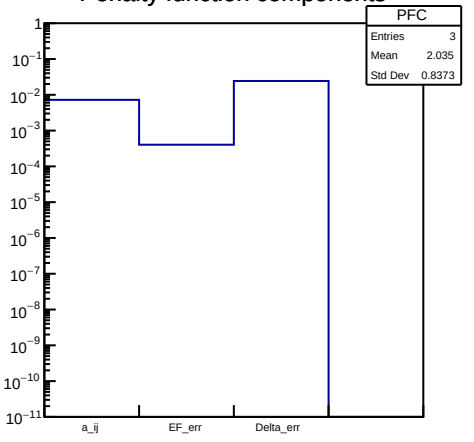
-10034 1d5/2 0.798333 0.976667

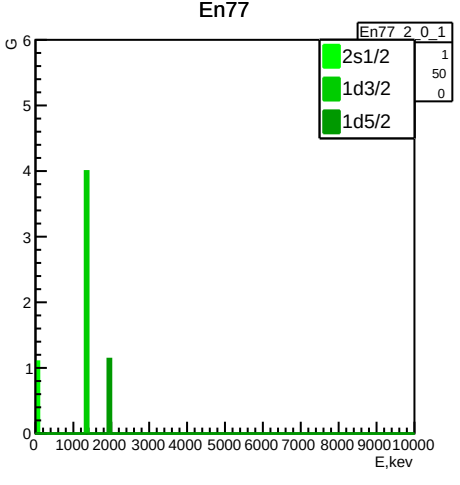
-5850.38 2s1/2 0.3525 0.805

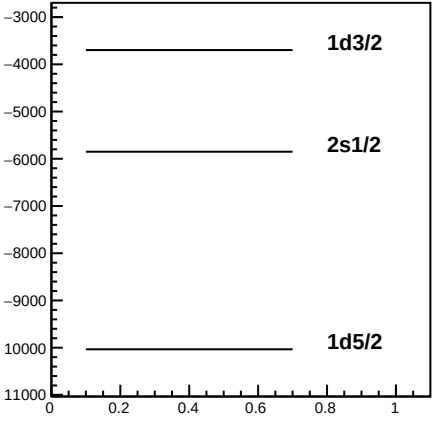
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver3_ver1 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

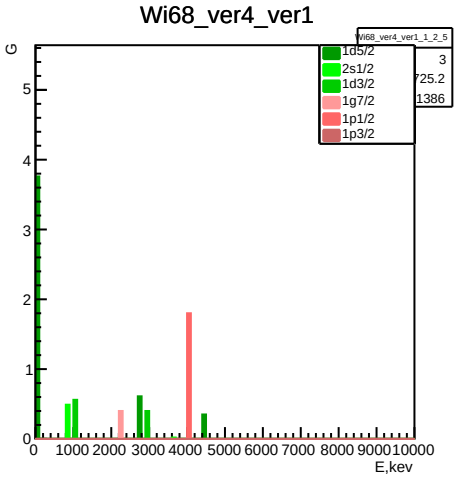
penalty: 0.0106449

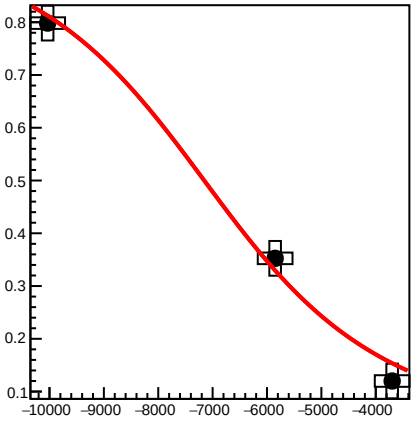
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

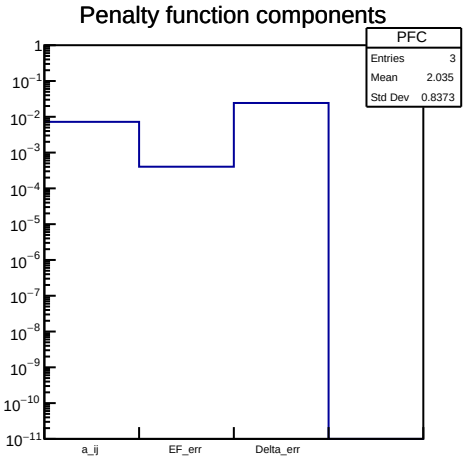
-10034 1d5/2 0.798333 0.976667

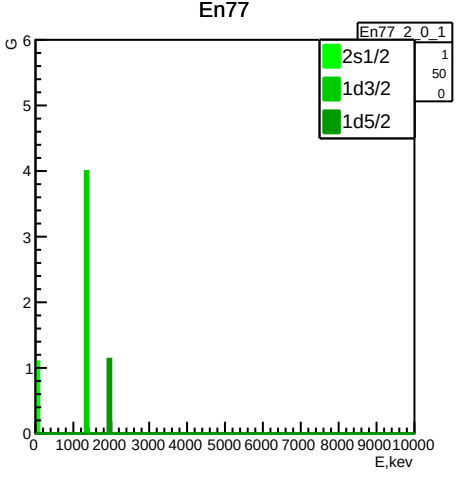
-5850.38 2s1/2 0.3525 0.805

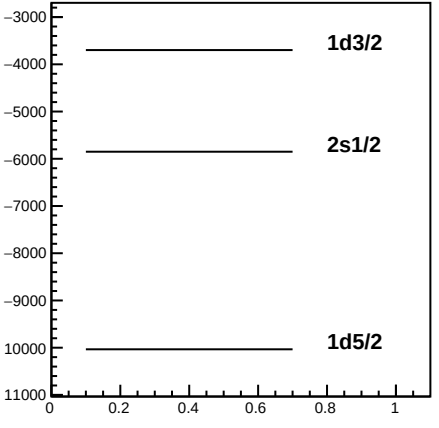
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver4_ver1 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

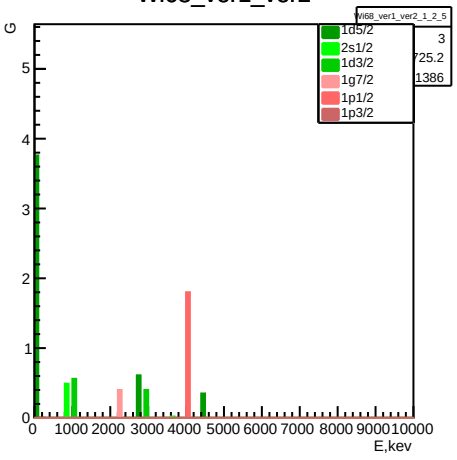
penalty: 0.0106449

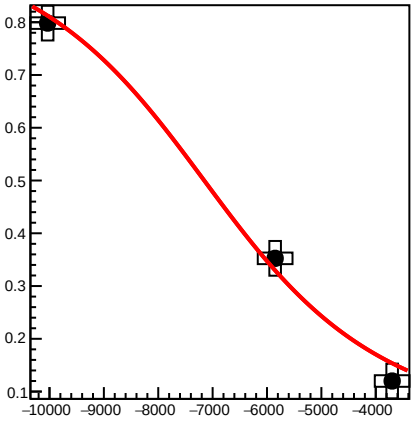
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

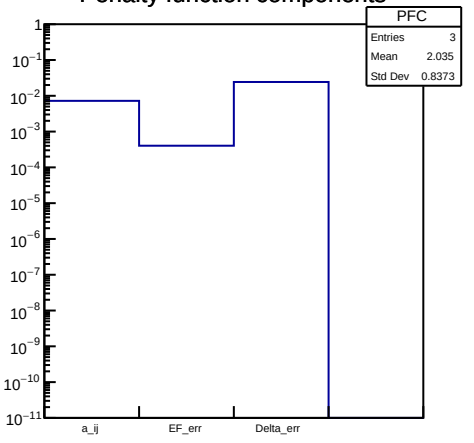
-10034 1d5/2 0.798333 0.976667

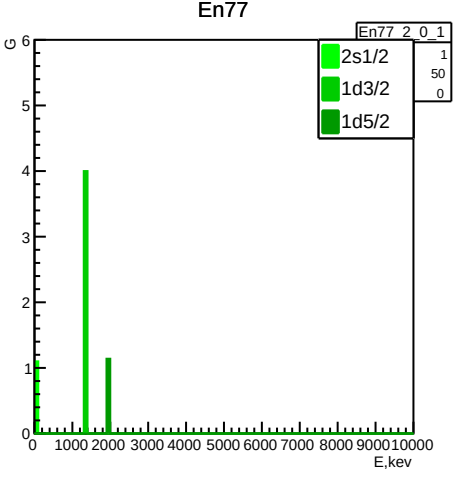
-5850.38 2s1/2 0.3525 0.805

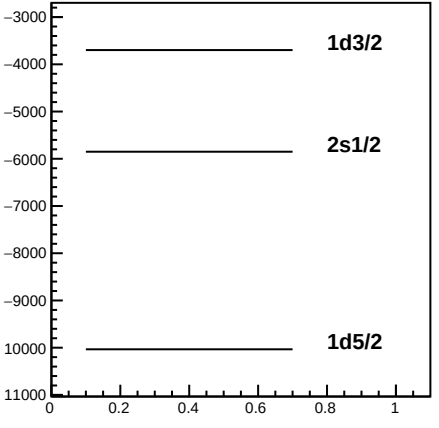
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver1_ver2 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

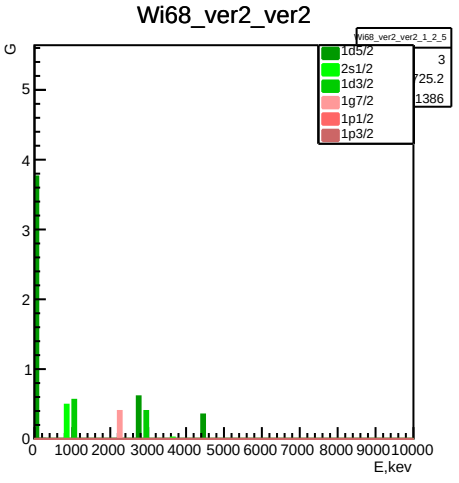
penalty: 0.0106449

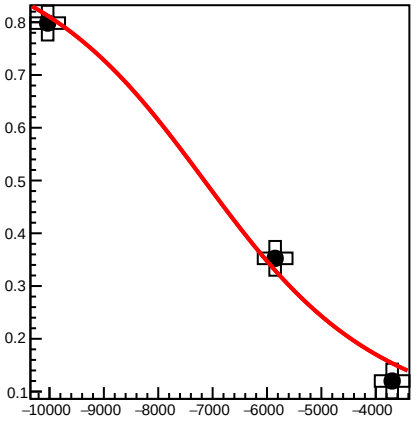
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

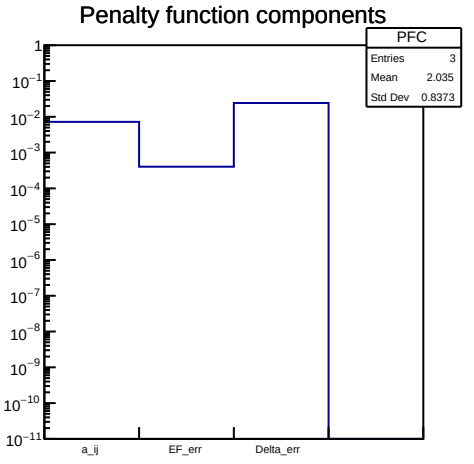
-10034 1d5/2 0.798333 0.976667

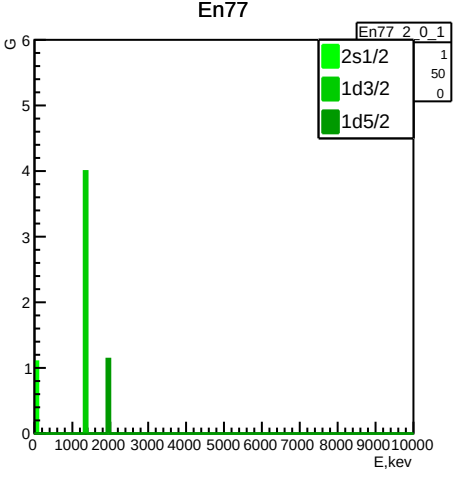
-5850.38 2s1/2 0.3525 0.805

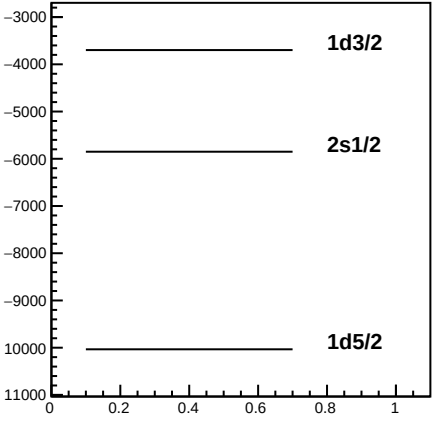
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver2_ver2 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

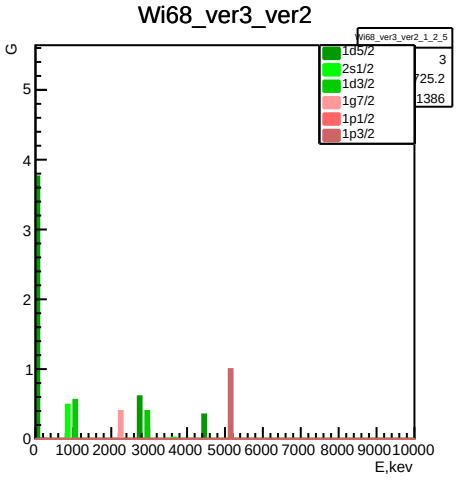
penalty: 0.0106449

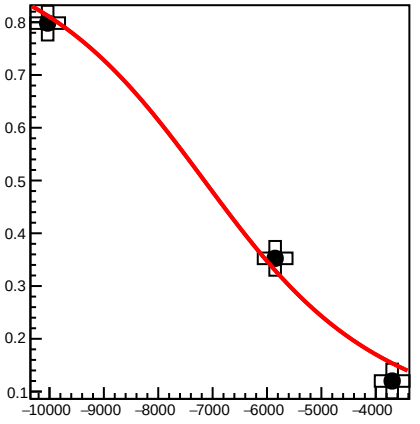
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

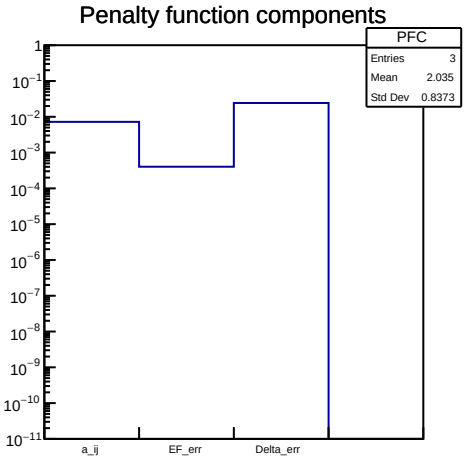
-10034 1d5/2 0.798333 0.976667

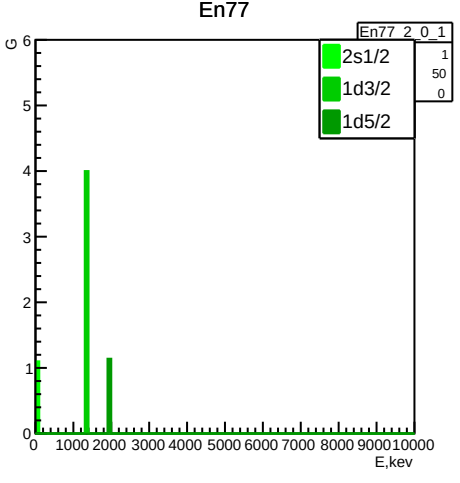
-5850.38 2s1/2 0.3525 0.805

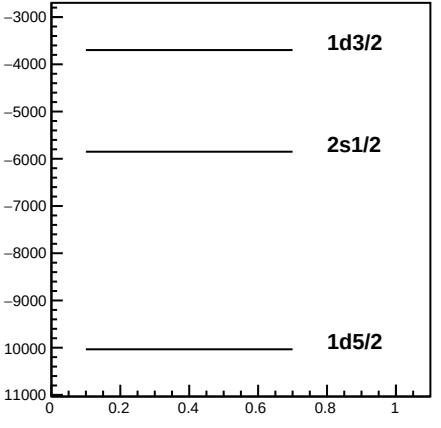
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver3_ver2 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

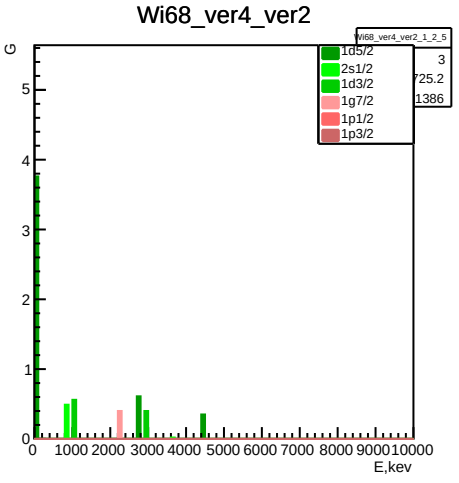
penalty: 0.0106449

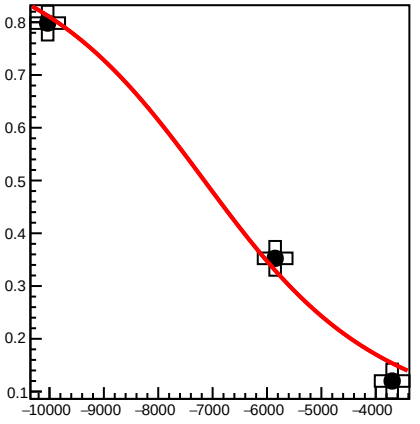
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

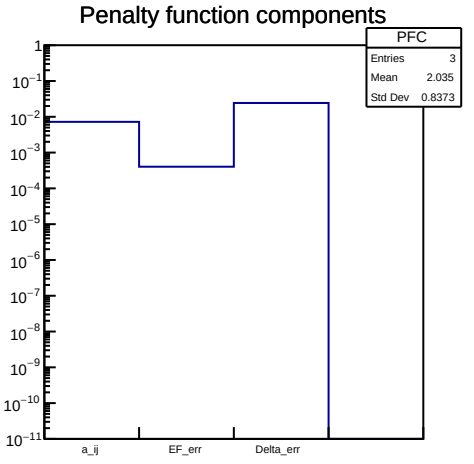
-10034 1d5/2 0.798333 0.976667

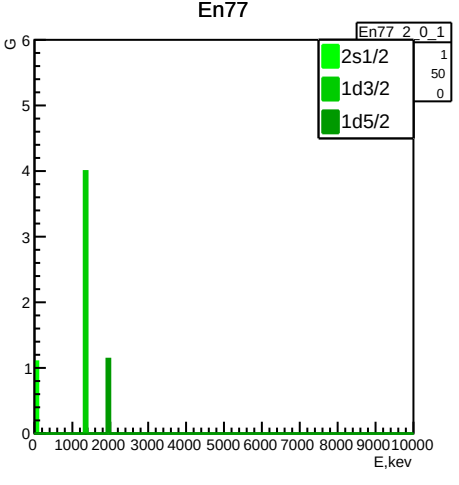
-5850.38 2s1/2 0.3525 0.805

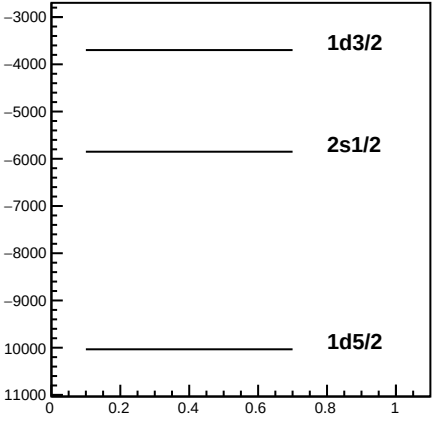
-3698.33 1d3/2 0.12 1.24











Experiment: Wi68_ver4_ver2 (10) En77 (3)

proton transfer

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

E_F: -7154.75 ± 328.968 keV

Δ: 3599.16 ± 541.624 keV

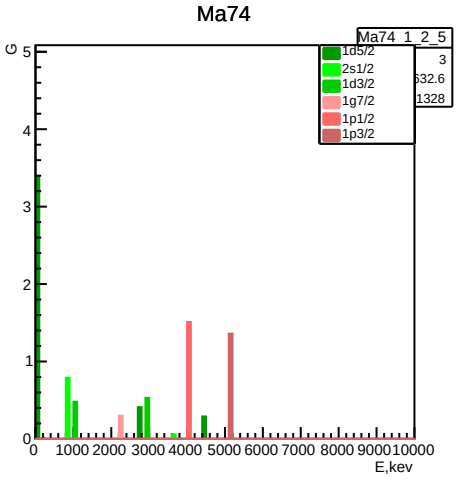
penalty: 0.0106449

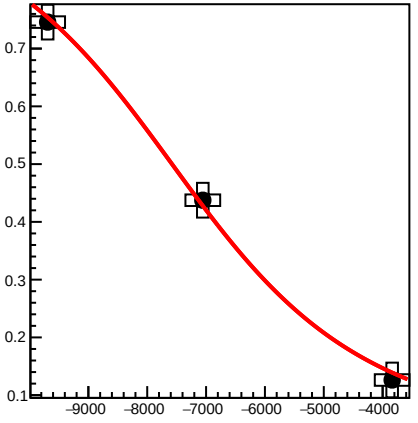
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

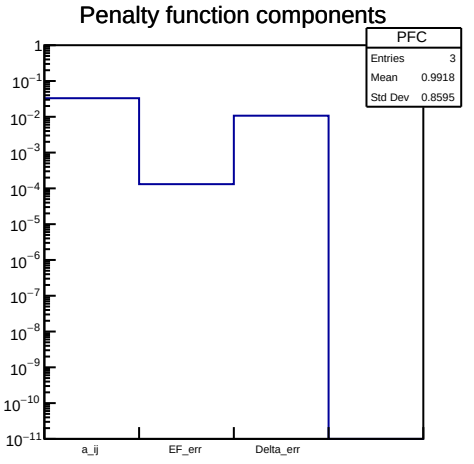
-10034 1d5/2 0.798333 0.976667

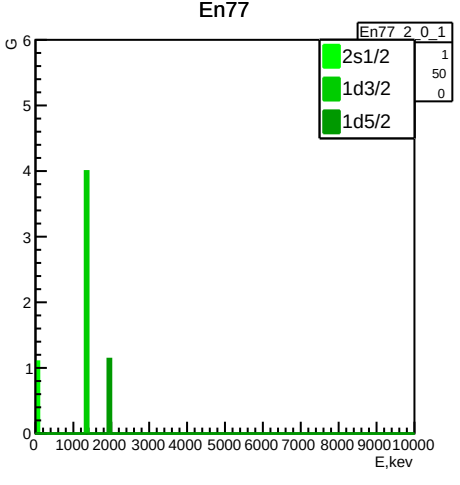
-5850.38 2s1/2 0.3525 0.805

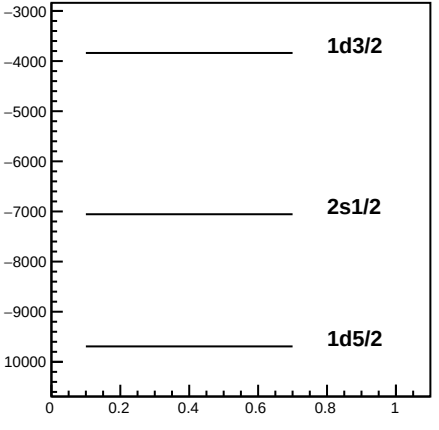
-3698.33 1d3/2 0.12 1.24











Experiment: Ma74 (10) En77 (3)

proton transfer

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

E_F: -7578.51 ± 107.094 keV

Δ: 3585.05 ± 239.163 keV

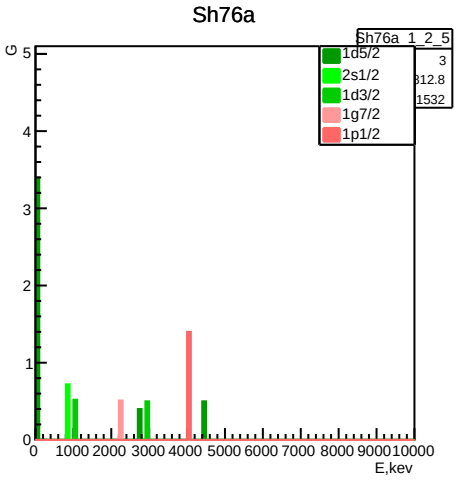
penalty: 0.0146404

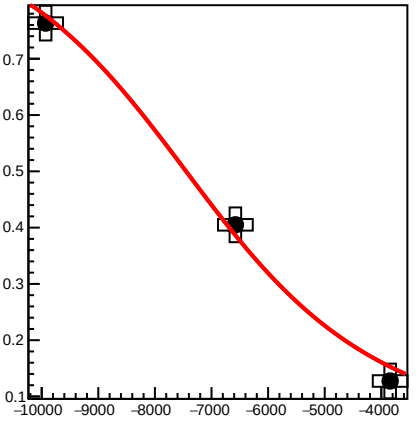
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

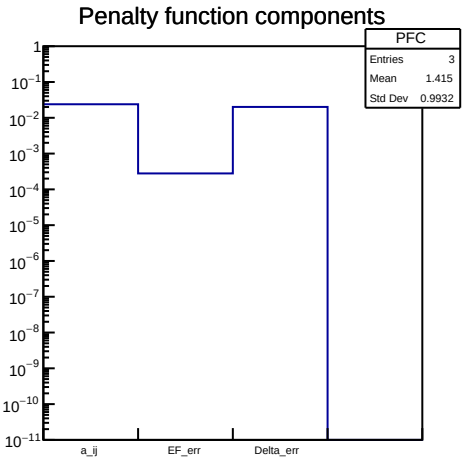
-9691.99 1d5/2 0.745833 0.871667

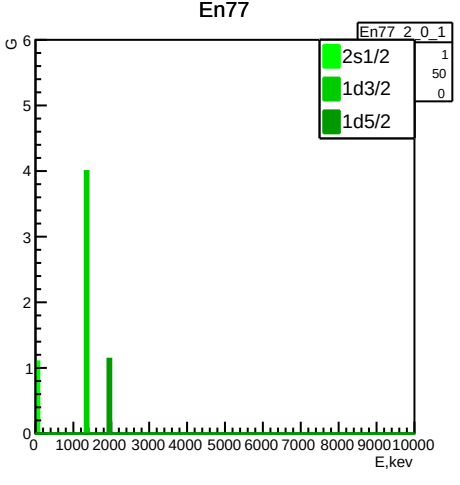
-7055.57 2s1/2 0.4375 0.975

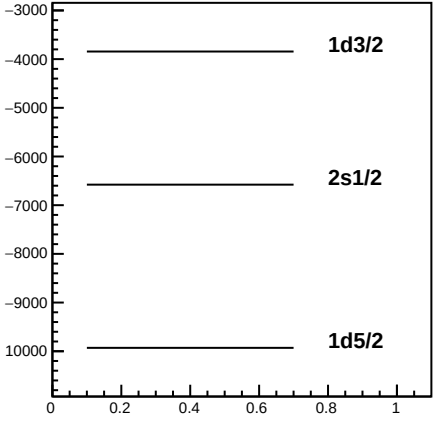
-3838.21 1d3/2 0.12625 1.2525











Experiment: Sh76a (8) En77 (3)

proton transfer

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

E_F: -7448.96 ± 227.813 keV

Δ: 3736.05 ± 448.155 keV

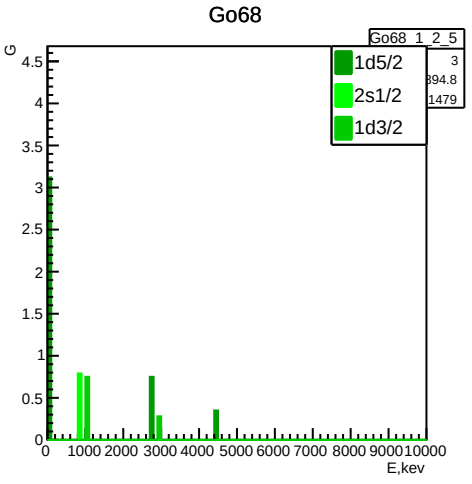
penalty: 0.0147608

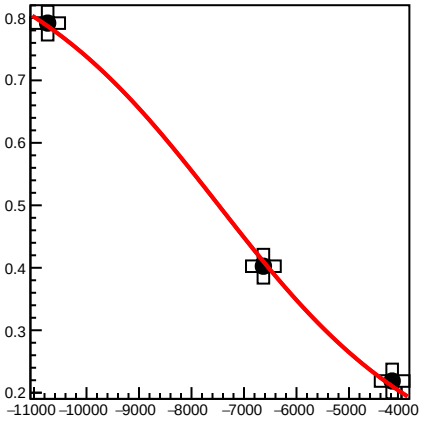
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

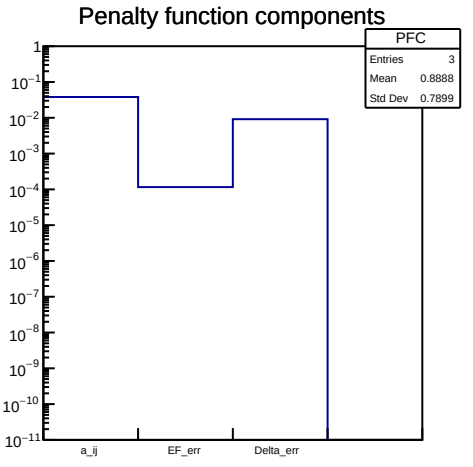
-9930.28 1d5/2 0.763333 0.906667

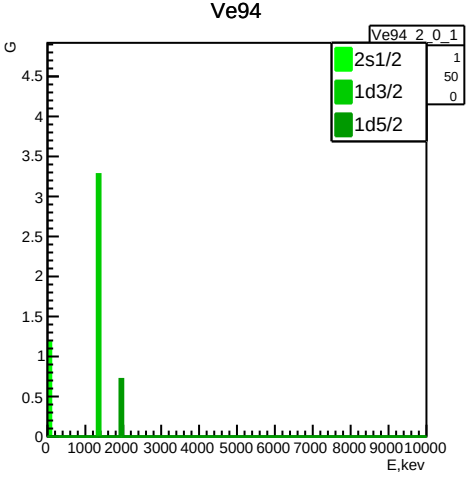
-6578.26 2s1/2 0.405 0.91

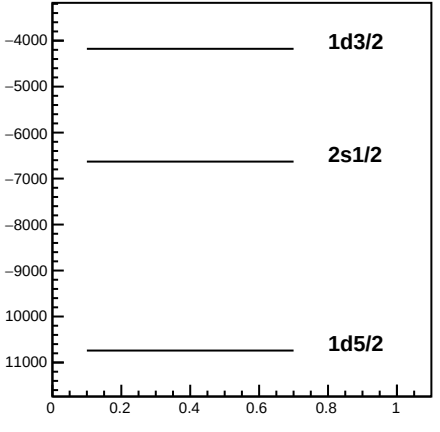
-3843.91 1d3/2 0.1275 1.255











Experiment: Go68 (6) Ve94 (3)

proton transfer

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

E_F: -7481.59 ± 94.5296 keV

Δ: -4652.15 ± 203.625 keV

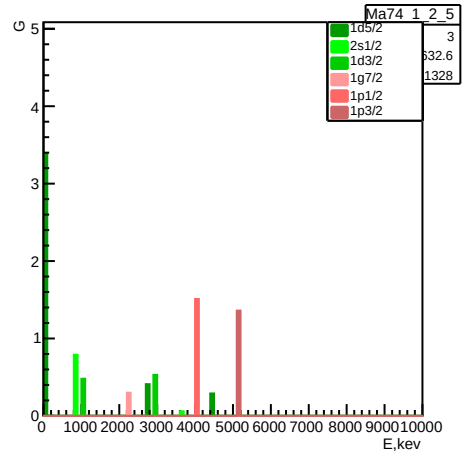
penalty: 0.0157702

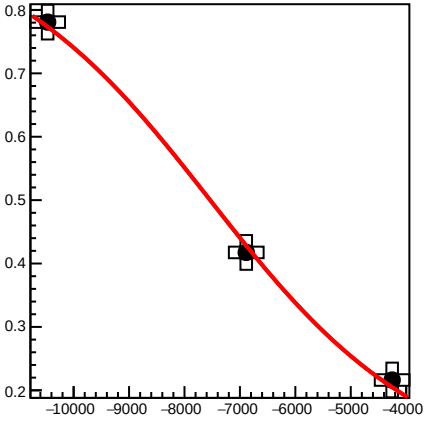
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

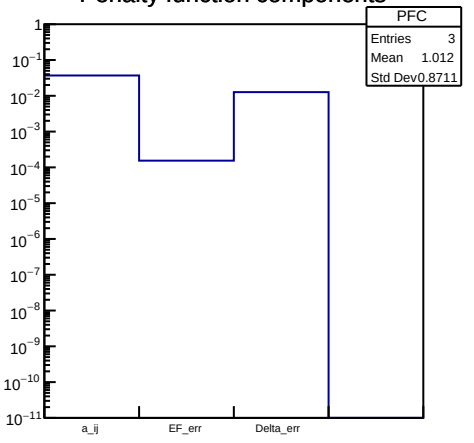
-10740 1d5/2 0.791667 0.823333

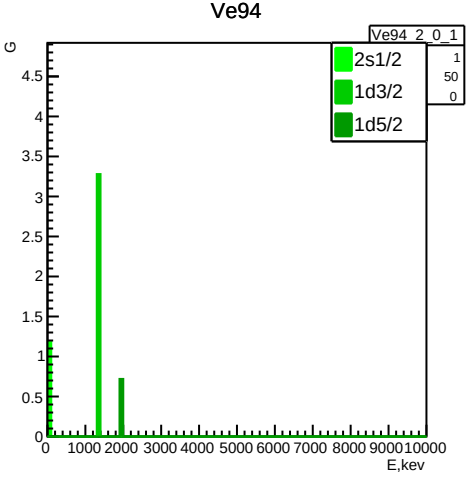
-6630.63 2s1/2 0.4025 0.985

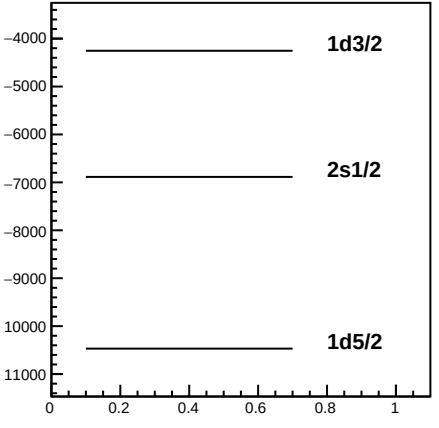
-4177.86 1d3/2 0.21875 1.0775











Experiment: Ma74 (10) Ve94 (3)

proton transfer

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

E_F: -7536.39 ± 125.763 keV

Δ: 4490.28 ± 282.194 keV

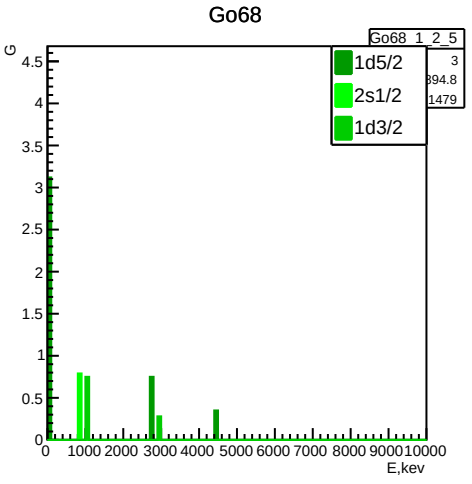
penalty: 0.0165881

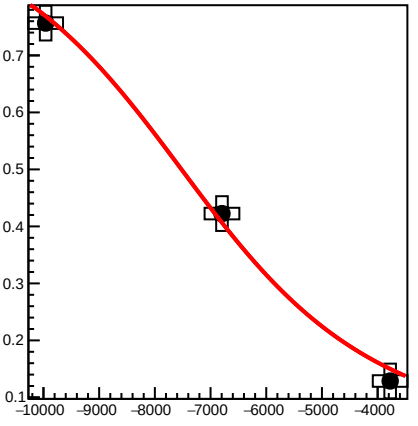
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

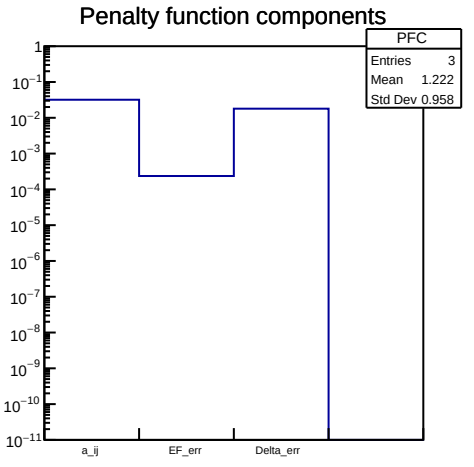
-10468.9 1d5/2 0.780833 0.801667

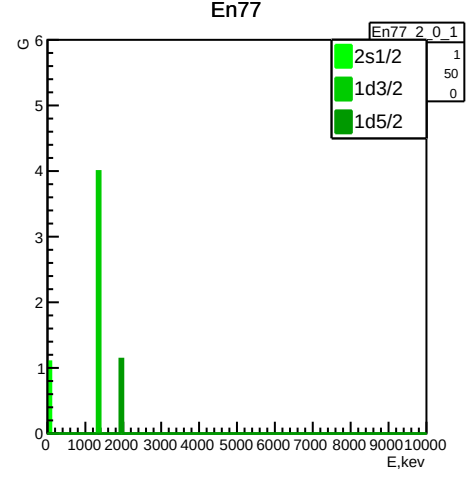
-6885.85 2s1/2 0.4175 1.015

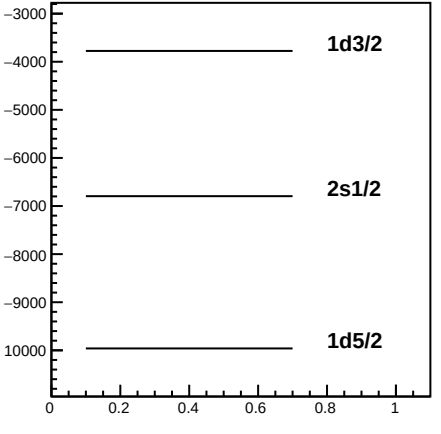
-4253.25 1d3/2 0.21625 1.0725











Experiment: Go68 (6) En77 (3)

proton transfer

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

E_F: -7521.72 ± 192.956 keV

Δ: 3821.96 ± 400.524 keV

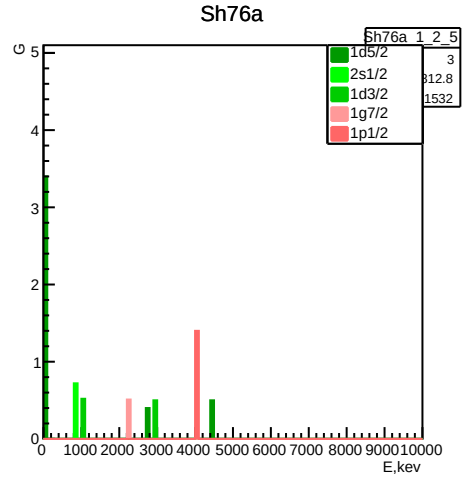
penalty: 0.0167192

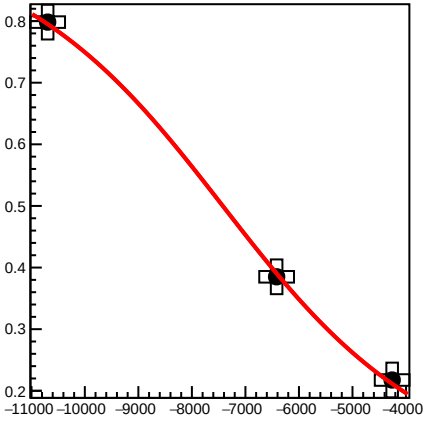
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

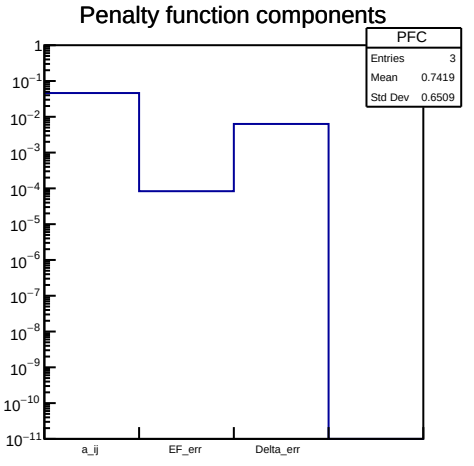
-9960.75 1d5/2 0.756667 0.893333

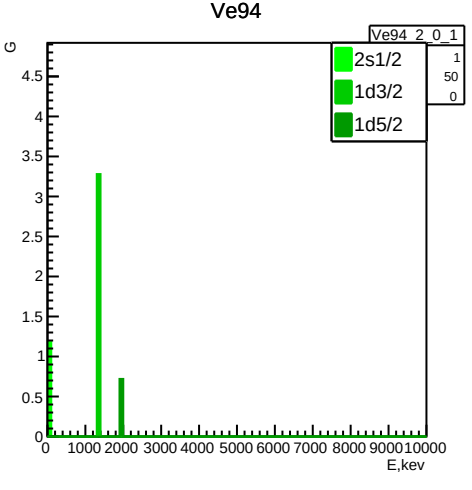
-6794.94 2s1/2 0.4225 0.945

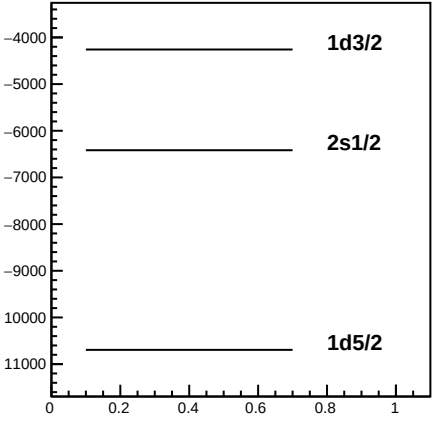
-3775.26 1d3/2 0.12875 1.2575











Experiment: Sh76a (8) Ve94 (3)

proton transfer

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

E_F: -7422.85 ± 68.1313 keV

Δ: -4475.73 ± 140.562 keV

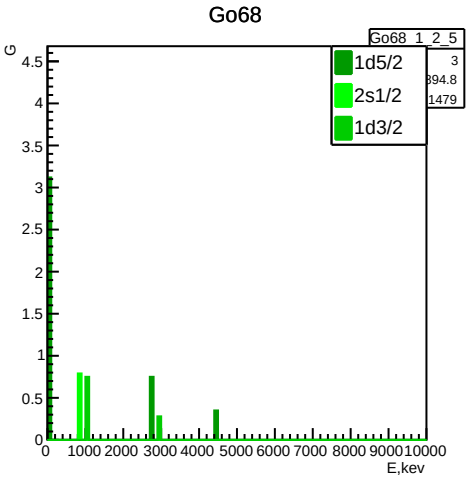
penalty: 0.0175011

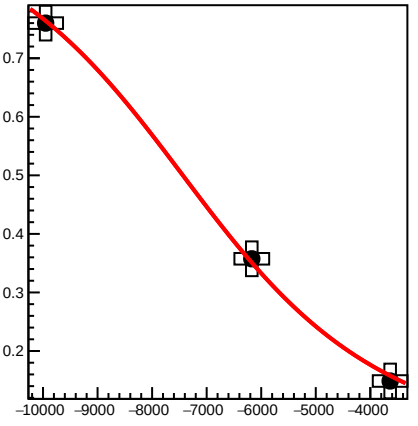
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

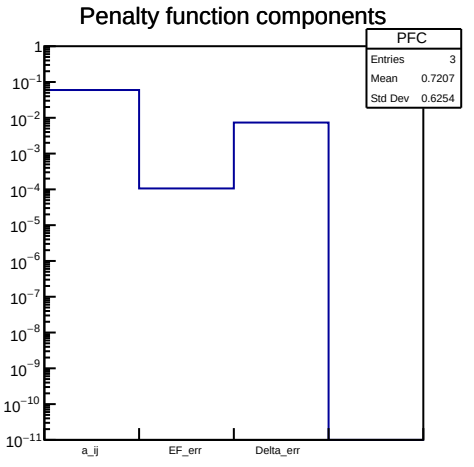
-10694.6 1d5/2 0.798333 0.836667

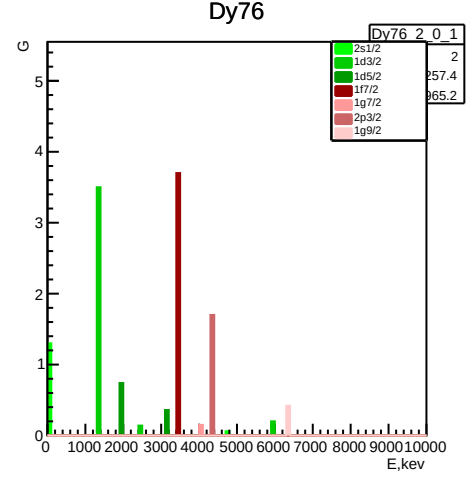
-6417.02 2s1/2 0.385 0.95

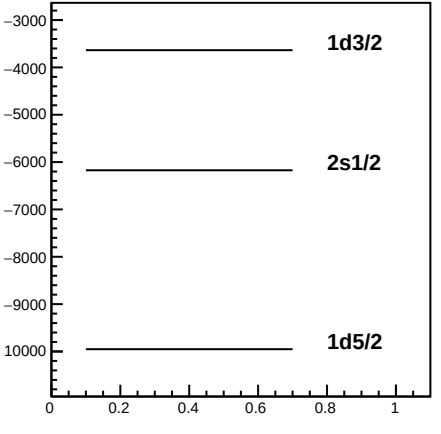
-4258.93 1d3/2 0.2175 1.075











Experiment: Go68 (6) Dy76 (11)

proton transfer

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

E_F: -7436.72 ± 86.7035 keV

Δ: 4047.98 ± 164.019 keV

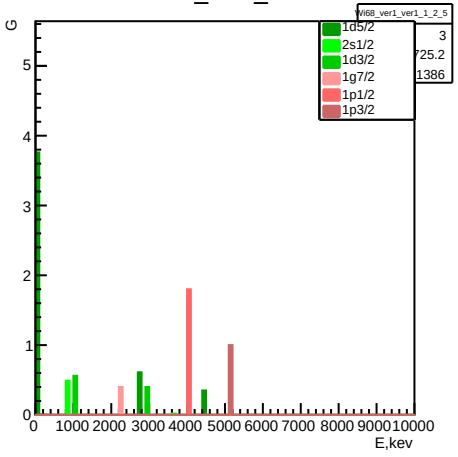
penalty: 0.0223967

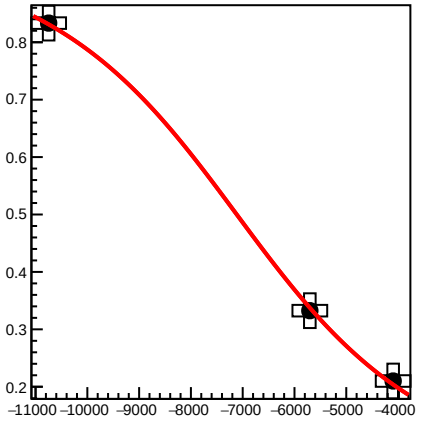
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

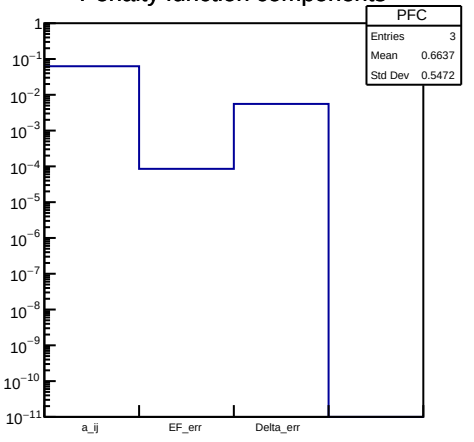
-9951.71 1d5/2 0.76 0.886667

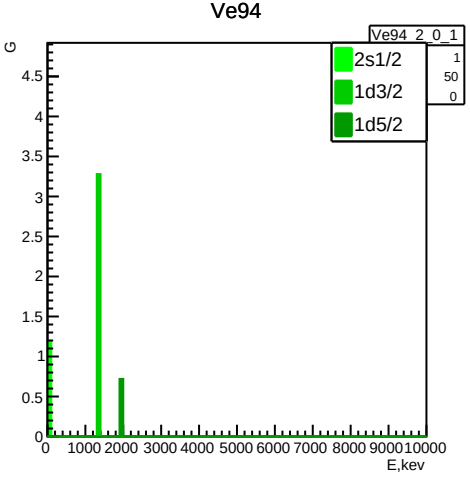
-6172.84 2s1/2 0.3575 1.075

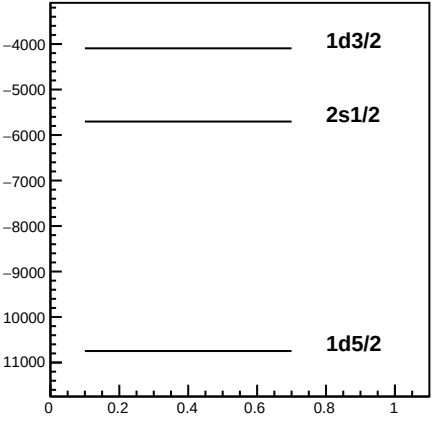
-3636.3 1d3/2 0.14875 1.2175











Experiment: Wi68_ver1_ver1 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

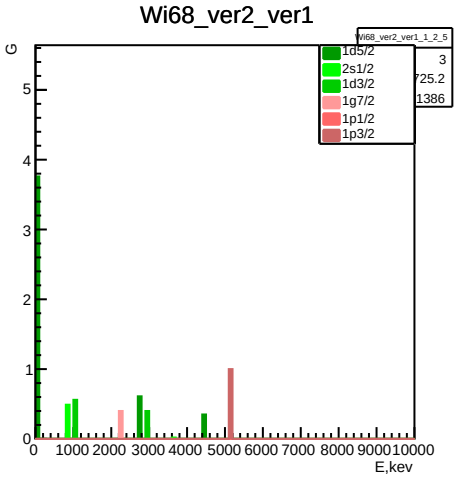
penalty: 0.0228074

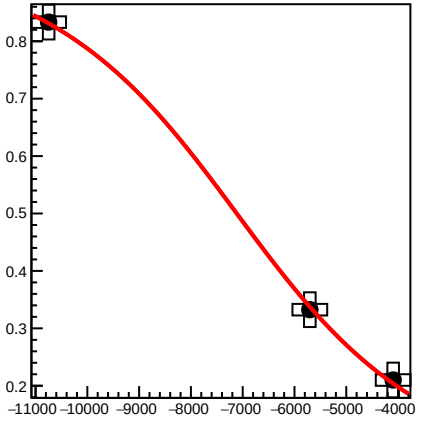
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

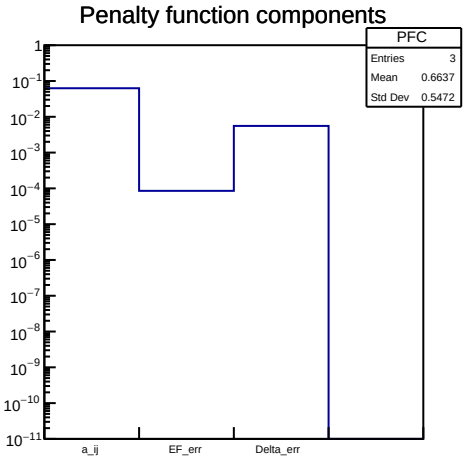
-10747.3 1d5/2 0.833333 0.906667

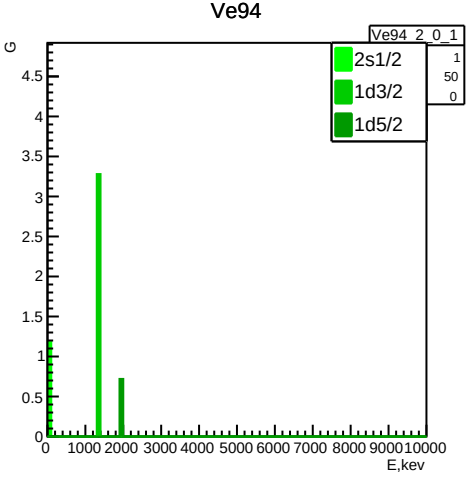
-5703.57 2s1/2 0.3325 0.845

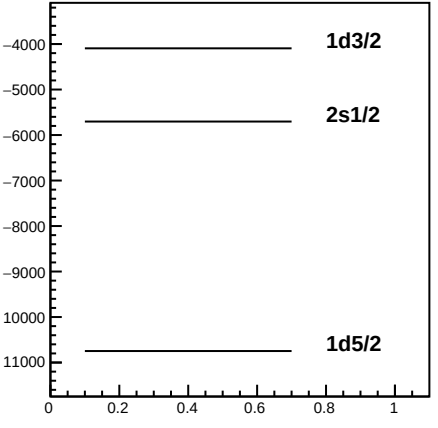
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver2_ver1 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

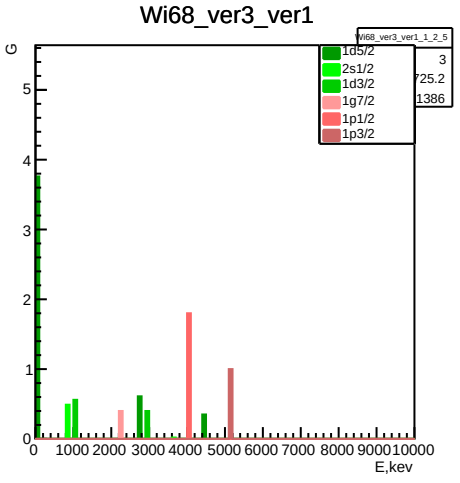
penalty: 0.0228074

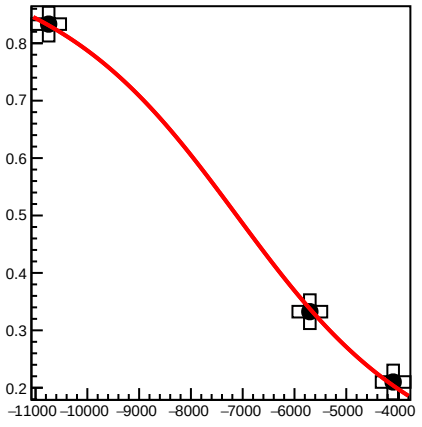
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

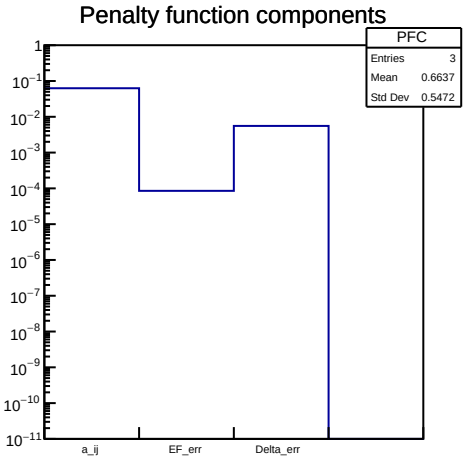
-10747.3 1d5/2 0.833333 0.906667

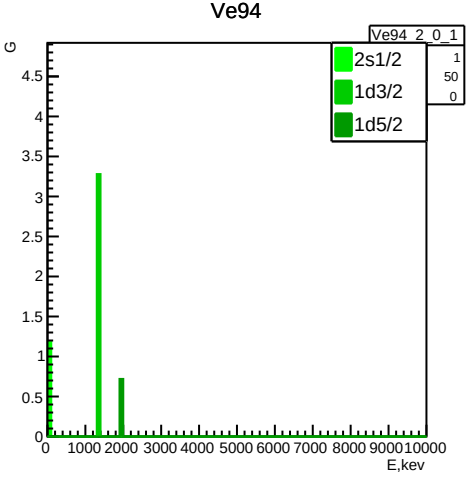
-5703.57 2s1/2 0.3325 0.845

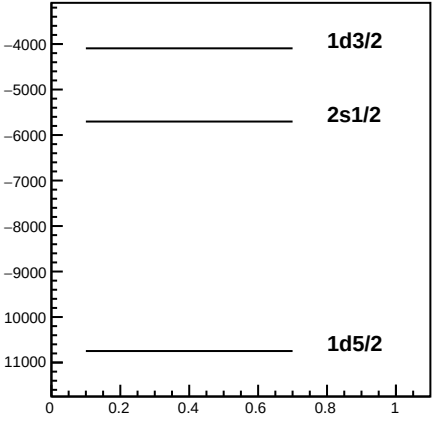
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver3_ver1 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

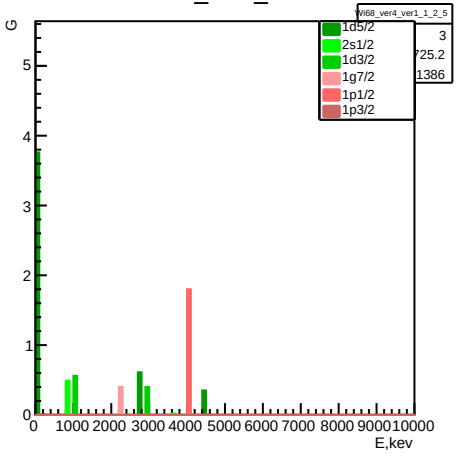
penalty: 0.0228074

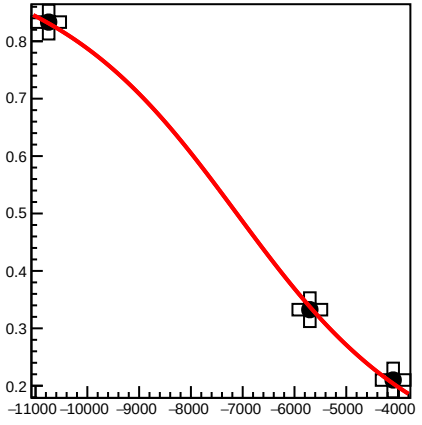
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

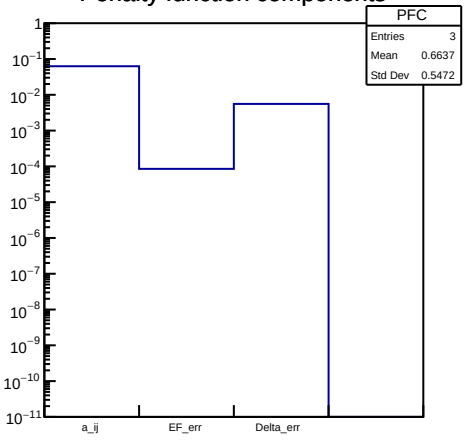
-10747.3 1d5/2 0.833333 0.906667

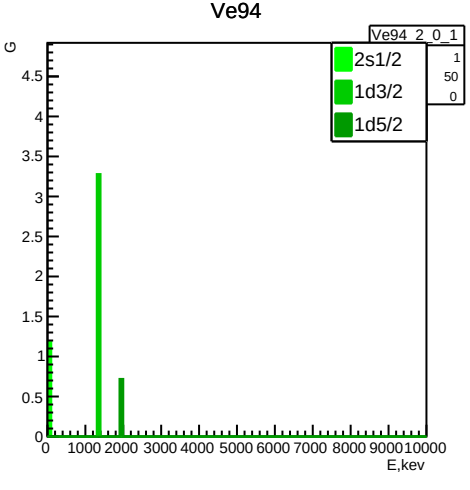
-5703.57 2s1/2 0.3325 0.845

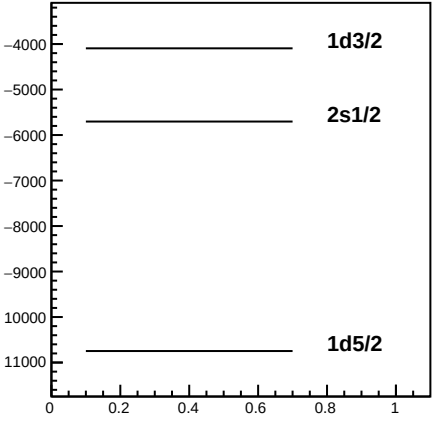
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver4_ver1 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

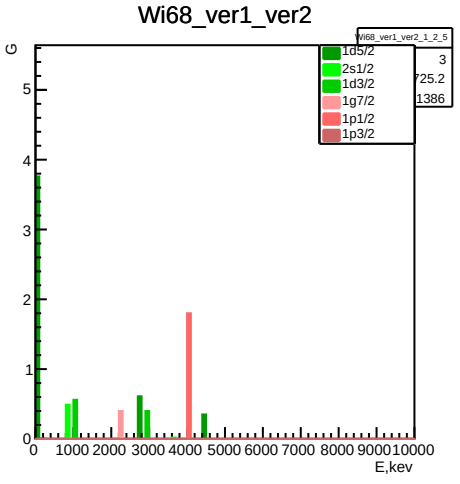
penalty: 0.0228074

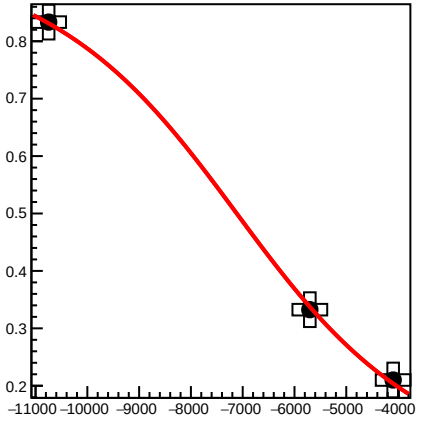
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

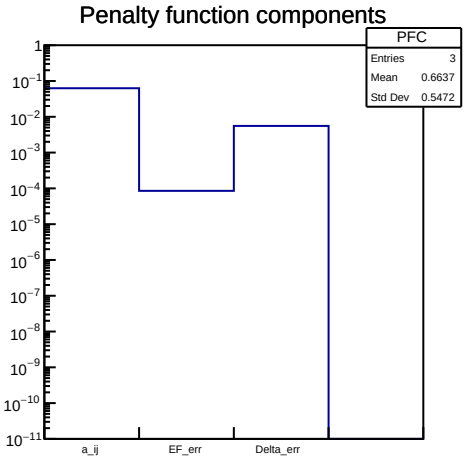
-10747.3 1d5/2 0.833333 0.906667

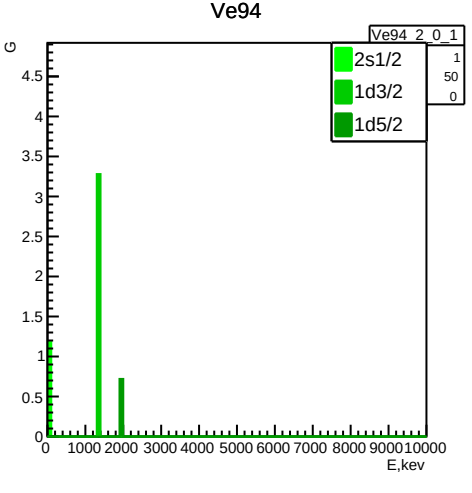
-5703.57 2s1/2 0.3325 0.845

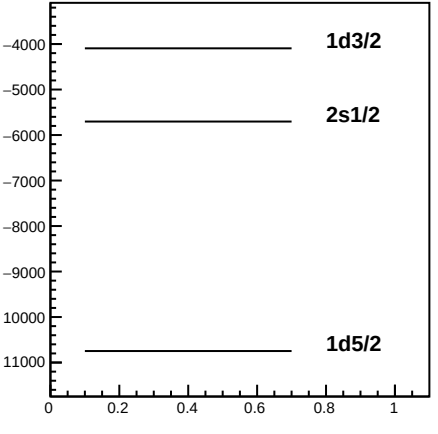
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver1_ver2 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

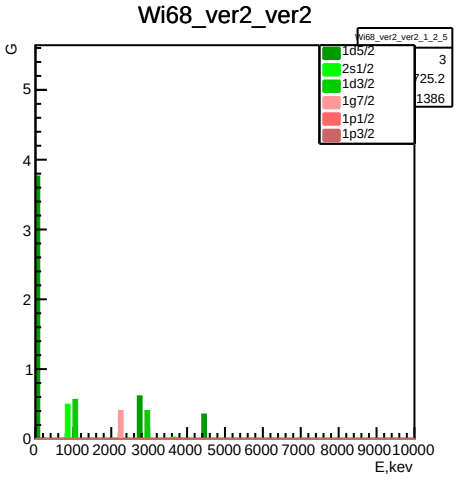
penalty: 0.0228074

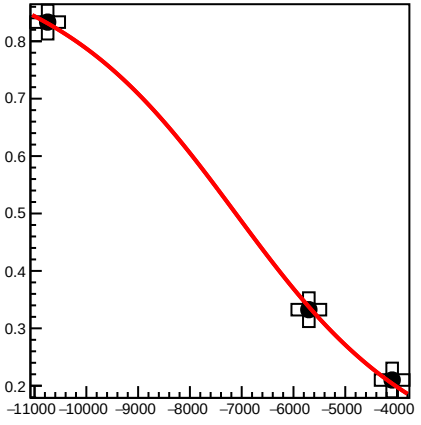
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

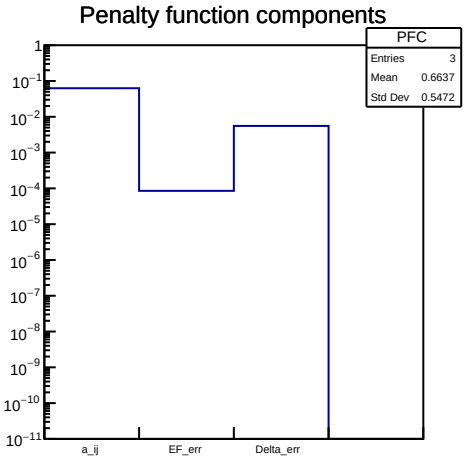
-10747.3 1d5/2 0.833333 0.906667

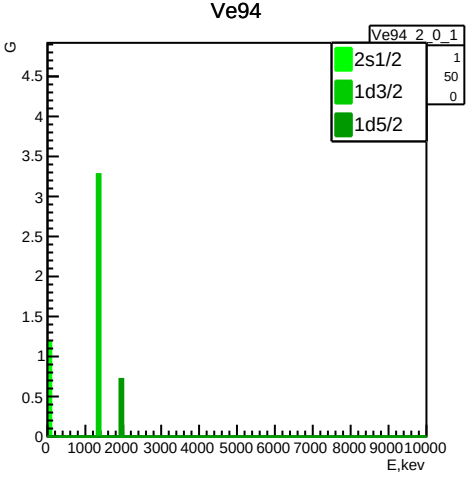
-5703.57 2s1/2 0.3325 0.845

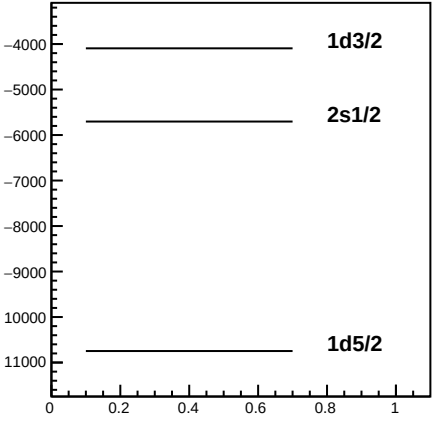
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver2_ver2 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

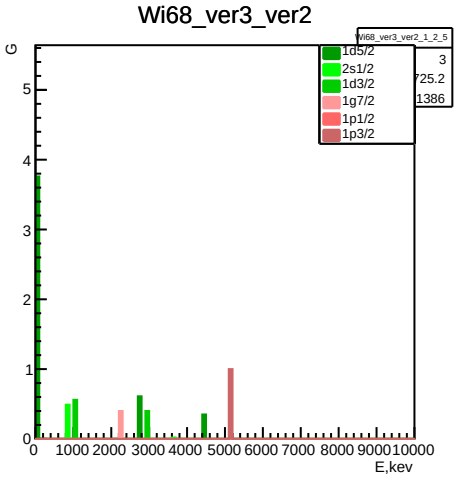
penalty: 0.0228074

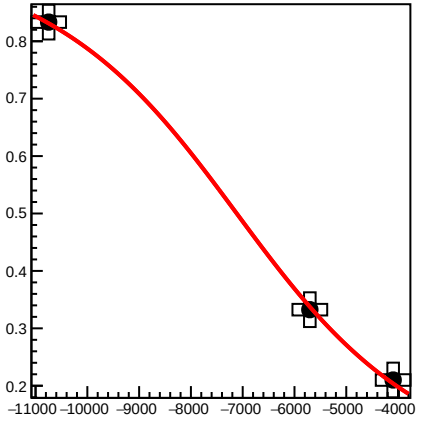
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

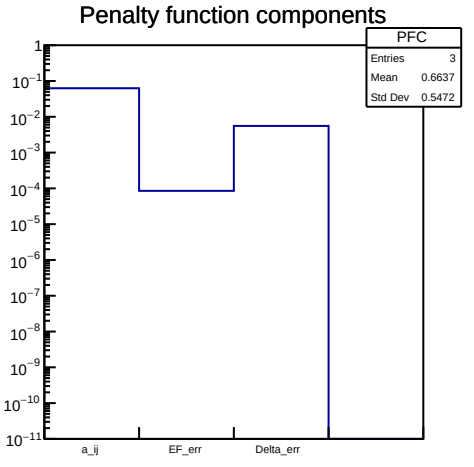
-10747.3 1d5/2 0.833333 0.906667

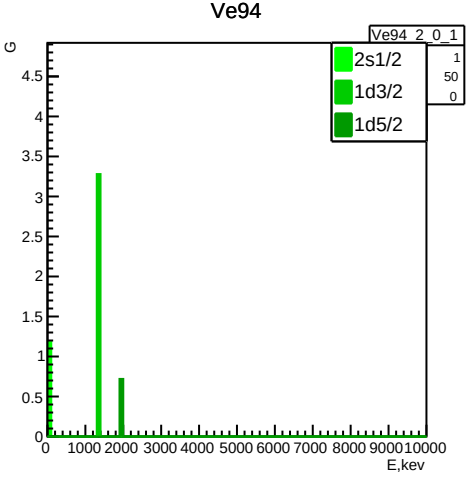
-5703.57 2s1/2 0.3325 0.845

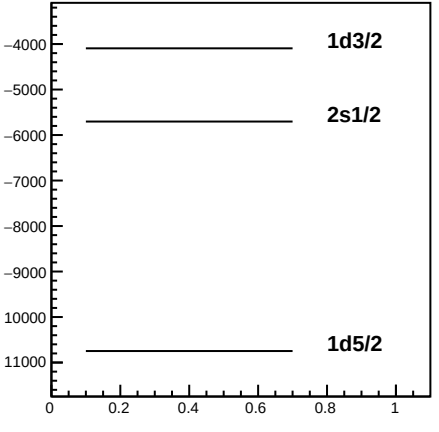
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver3_ver2 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

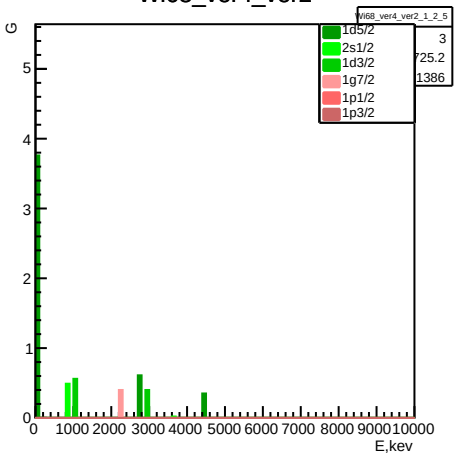
penalty: 0.0228074

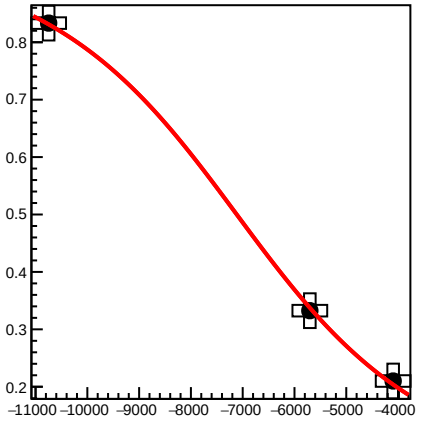
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

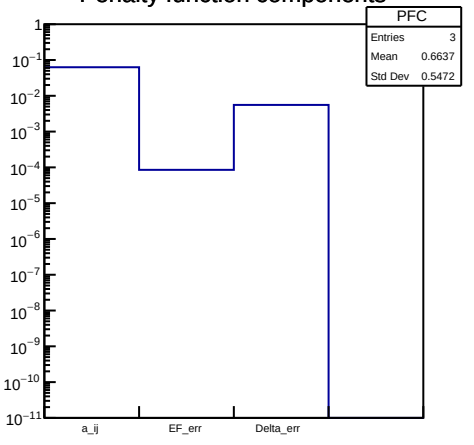
-10747.3 1d5/2 0.833333 0.906667

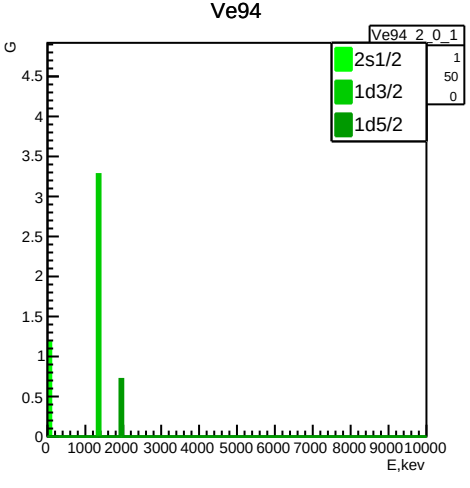
-5703.57 2s1/2 0.3325 0.845

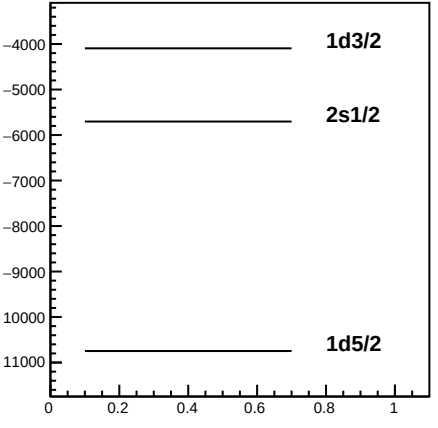
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver4_ver2 (10) Ve94 (3)

proton transfer

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

E_F: -7115.02 ± 69.6364 keV

Δ: 4108.48 ± 123.857 keV

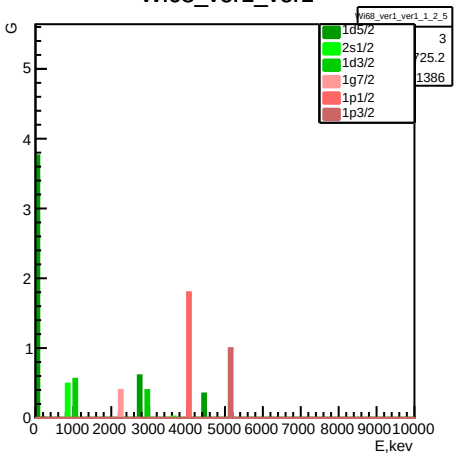
penalty: 0.0228074

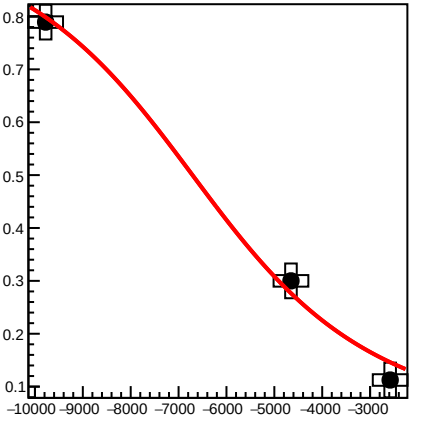
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

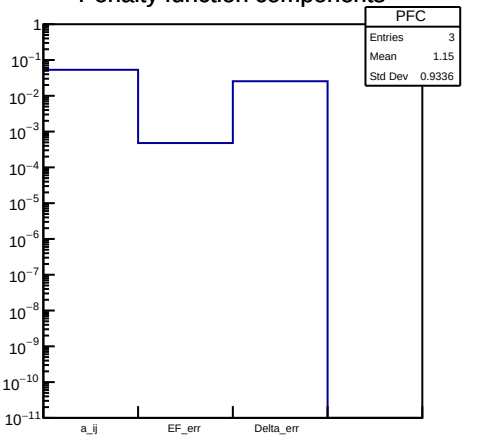
-10747.3 1d5/2 0.833333 0.906667

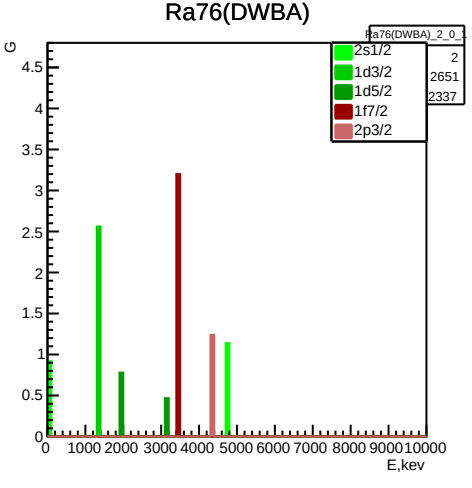
-5703.57 2s1/2 0.3325 0.845

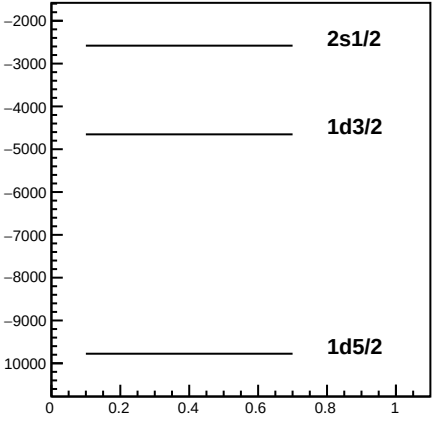
-4094.5 1d3/2 0.21 1.06











Experiment: Wi68_ver1_ver1 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

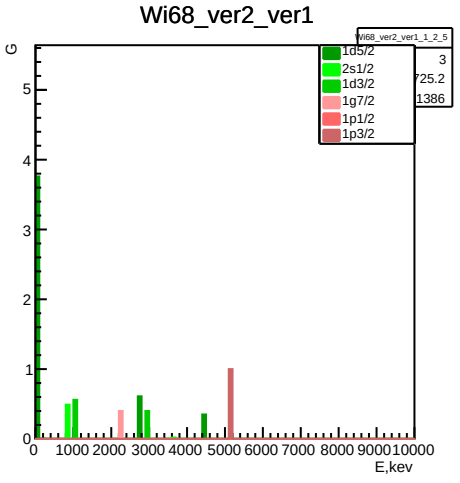
penalty: 0.0264023

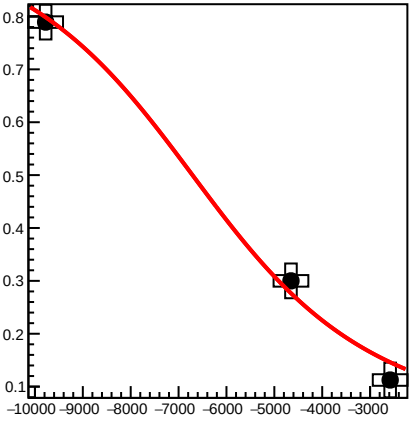
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

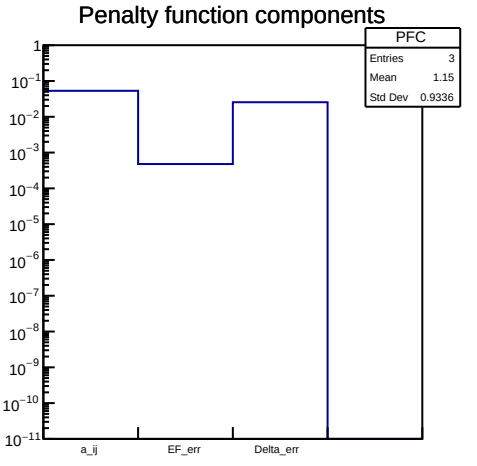
-9776.47 1d5/2 0.789333 0.994667

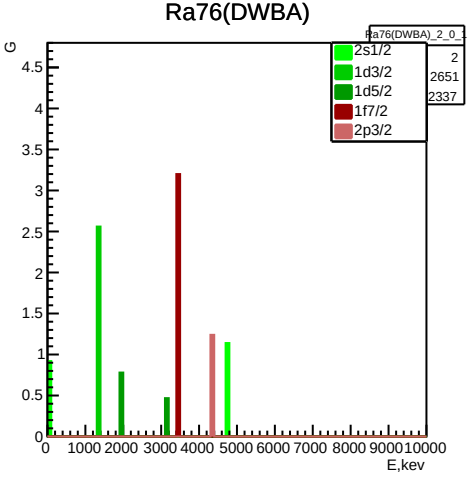
-2580.83 2s1/2 0.1125 1.285

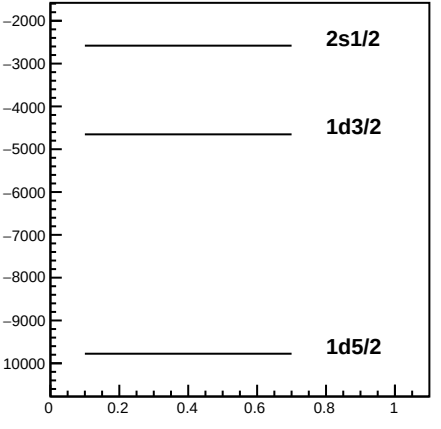
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver2_ver1 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

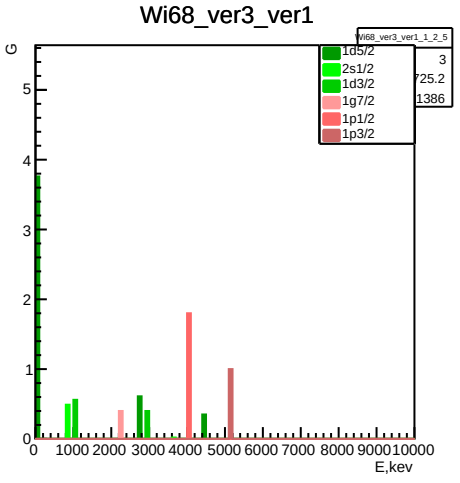
penalty: 0.0264023

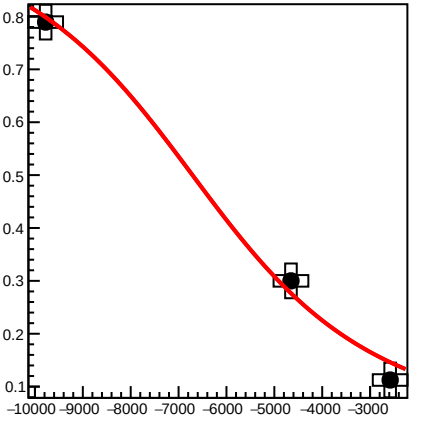
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

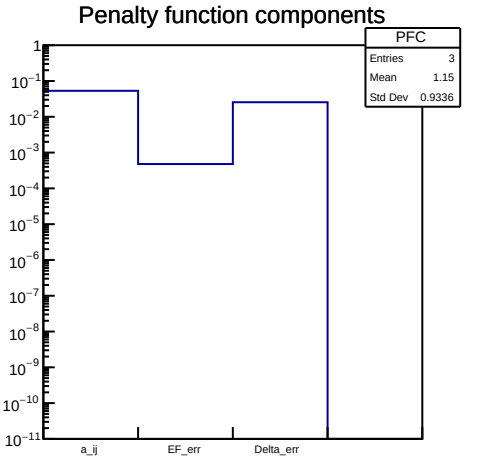
-9776.47 1d5/2 0.789333 0.994667

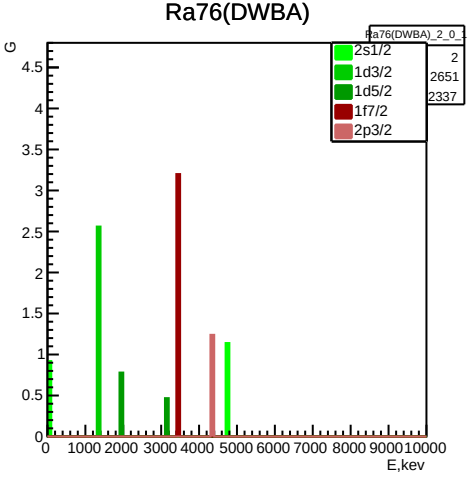
-2580.83 2s1/2 0.1125 1.285

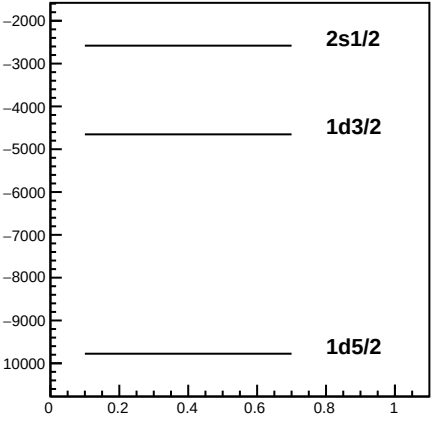
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver3_ver1 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

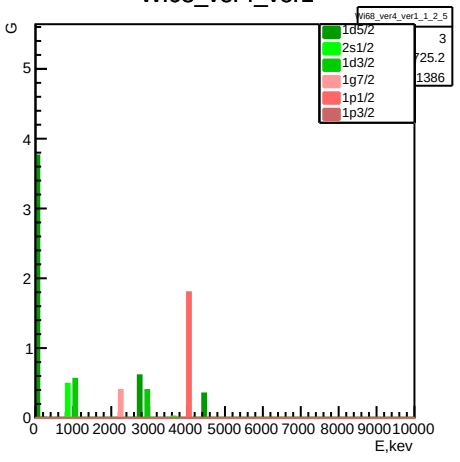
penalty: 0.0264023

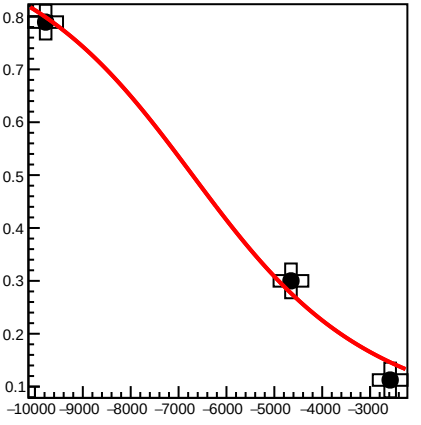
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

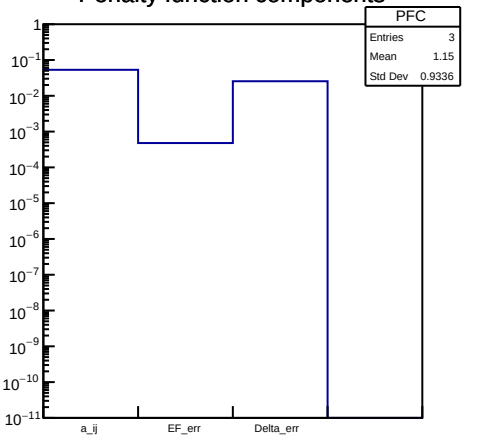
-9776.47 1d5/2 0.789333 0.994667

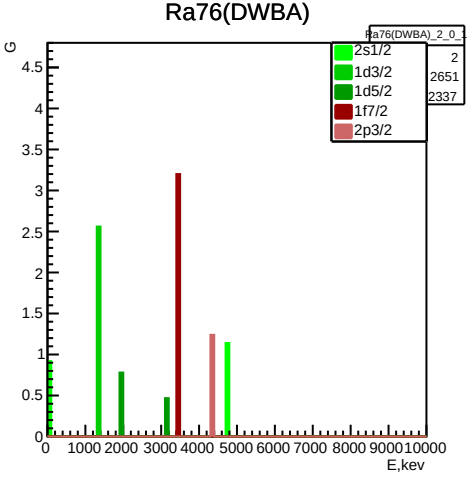
-2580.83 2s1/2 0.1125 1.285

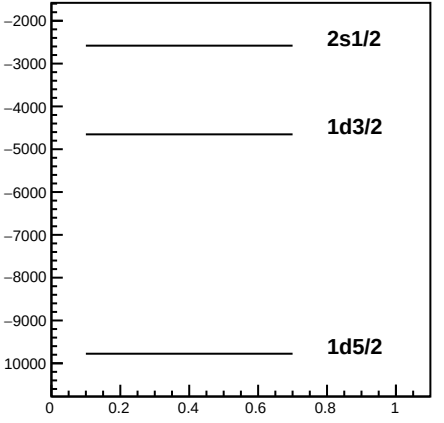
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver4_ver1 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

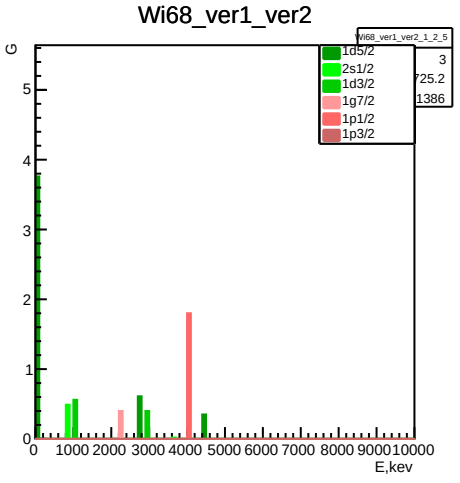
penalty: 0.0264023

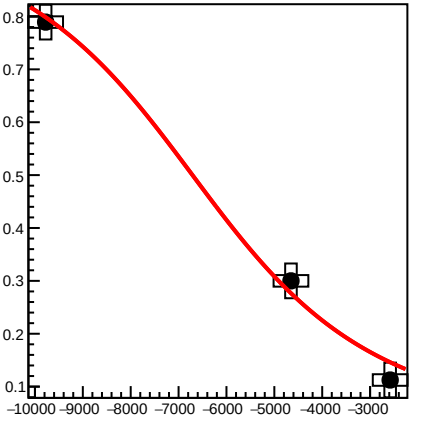
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

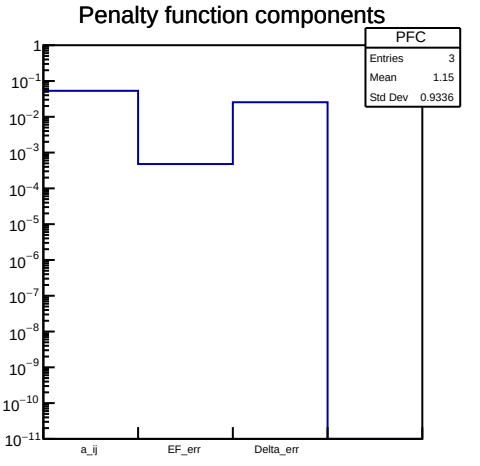
-9776.47 1d5/2 0.789333 0.994667

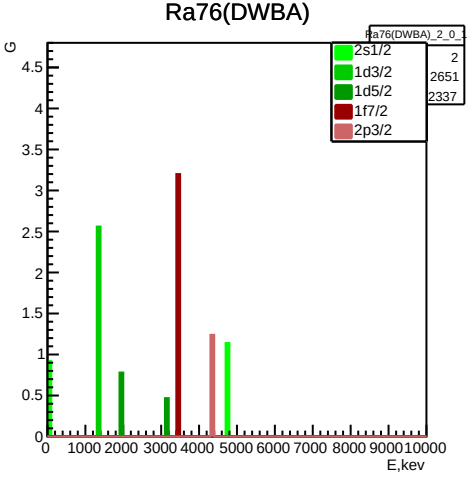
-2580.83 2s1/2 0.1125 1.285

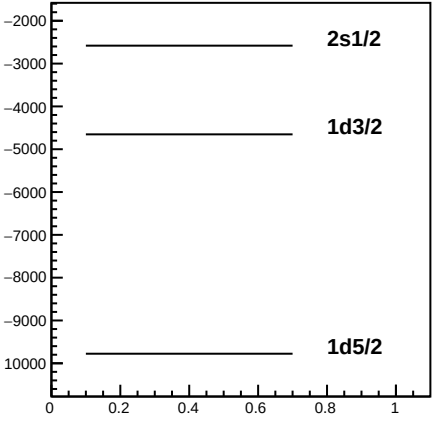
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver1_ver2 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

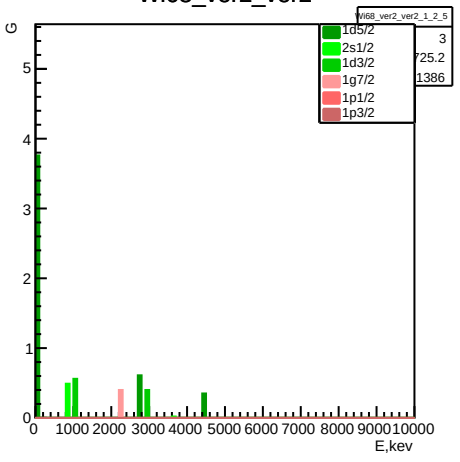
penalty: 0.0264023

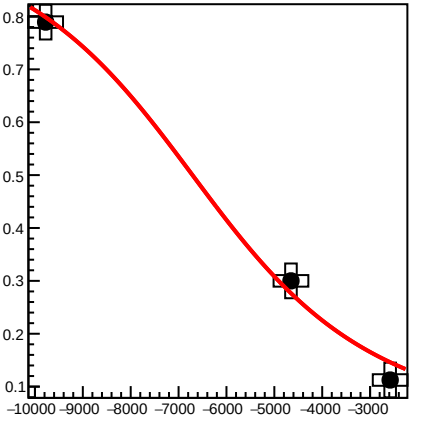
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

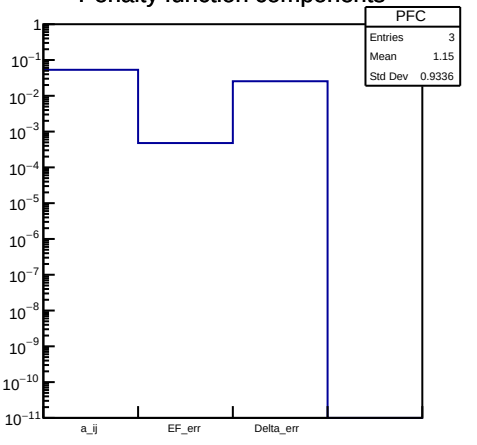
-9776.47 1d5/2 0.789333 0.994667

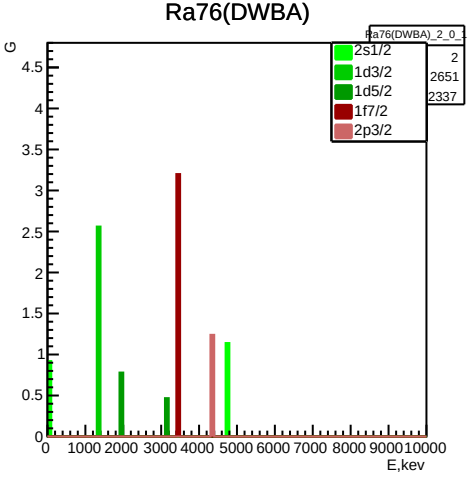
-2580.83 2s1/2 0.1125 1.285

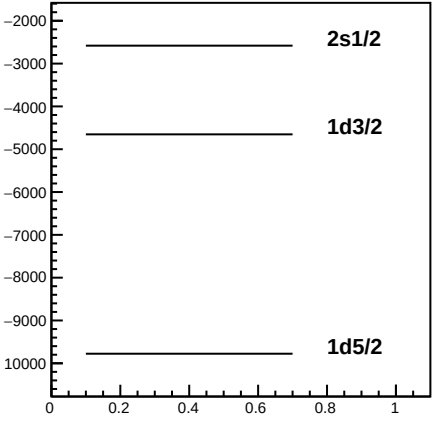
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver2_ver2 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

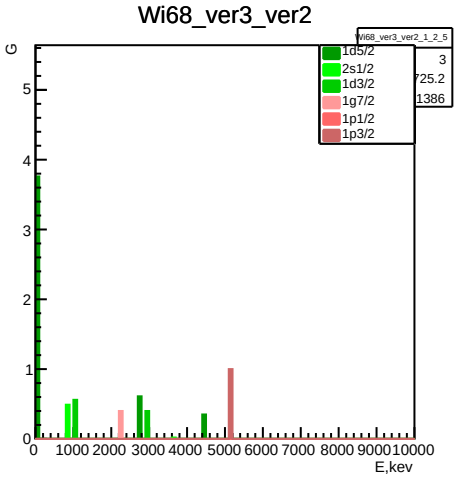
penalty: 0.0264023

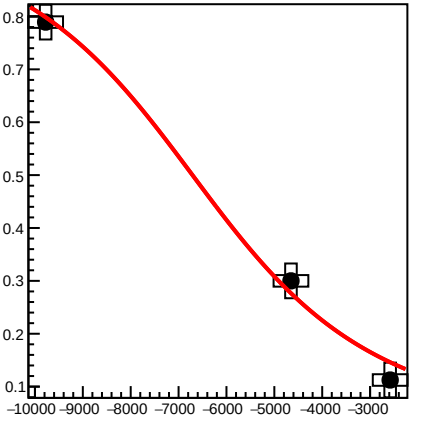
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

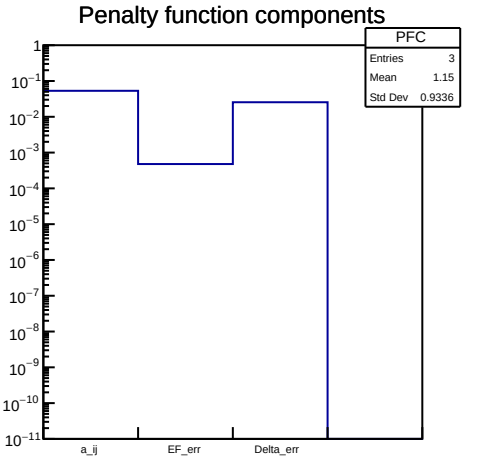
-9776.47 1d5/2 0.789333 0.994667

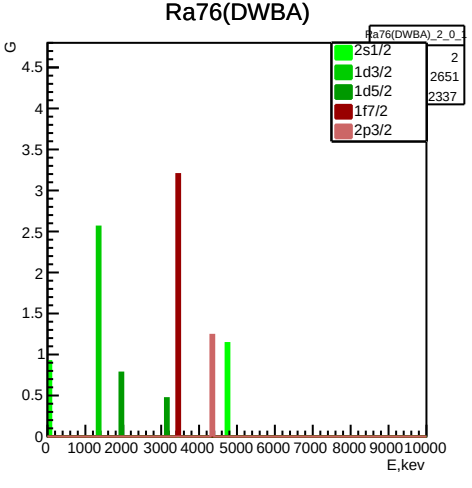
-2580.83 2s1/2 0.1125 1.285

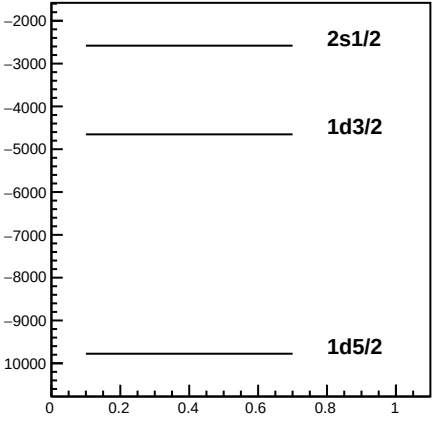
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver3_ver2 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

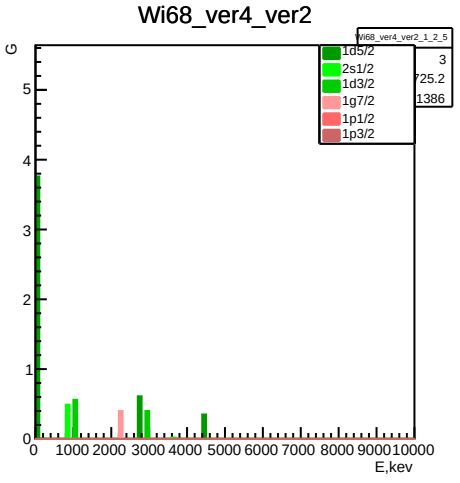
penalty: 0.0264023

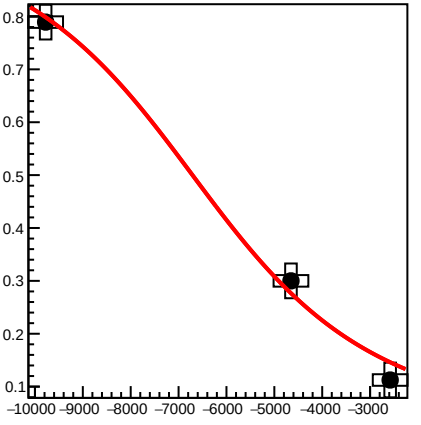
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

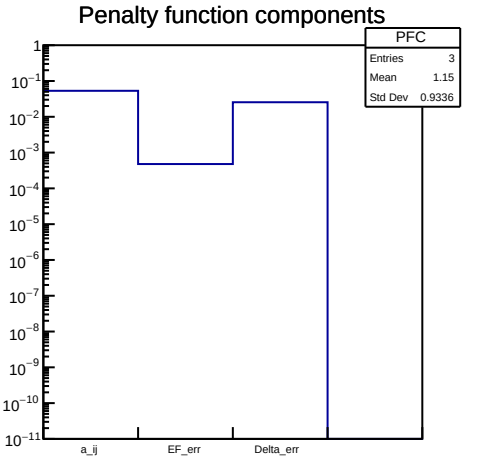
-9776.47 1d5/2 0.789333 0.994667

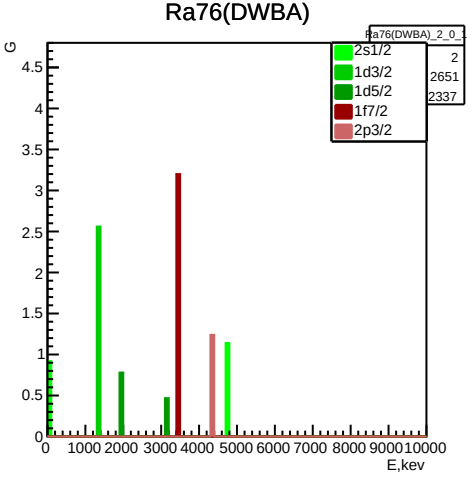
-2580.83 2s1/2 0.1125 1.285

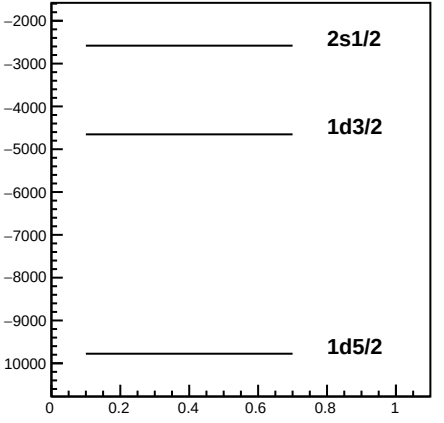
-4652.75 1d3/2 0.3 0.88











Experiment: Wi68_ver4_ver2 (10) Ra76(DWB

proton transfer

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

E_F: -6709.48 ± 390.602 keV

Δ: -4120.36 ± 568.288 keV

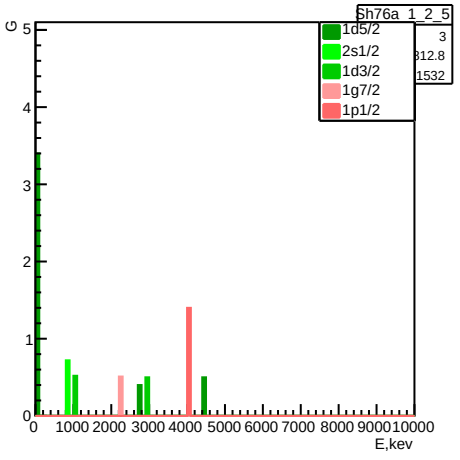
penalty: 0.0264023

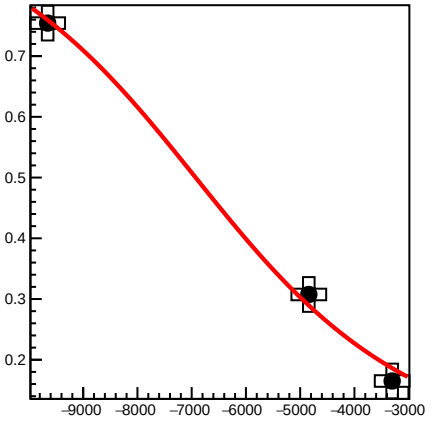
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

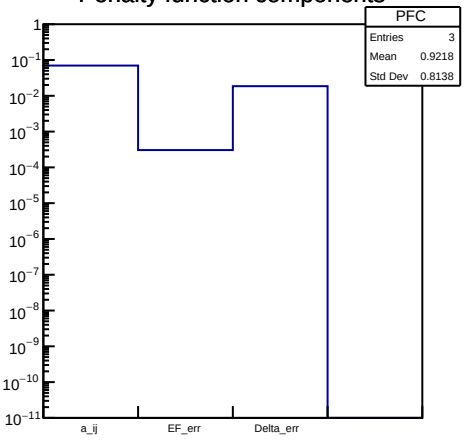
-9776.47 1d5/2 0.789333 0.994667

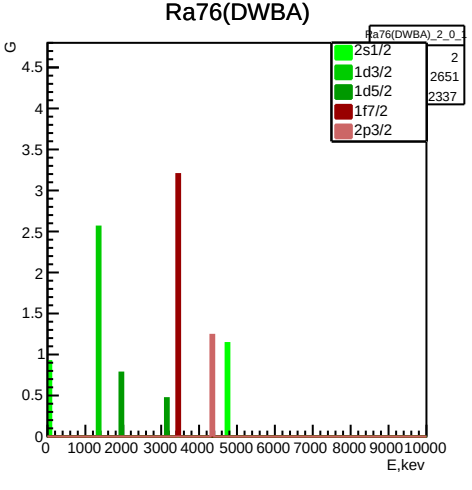
-2580.83 2s1/2 0.1125 1.285

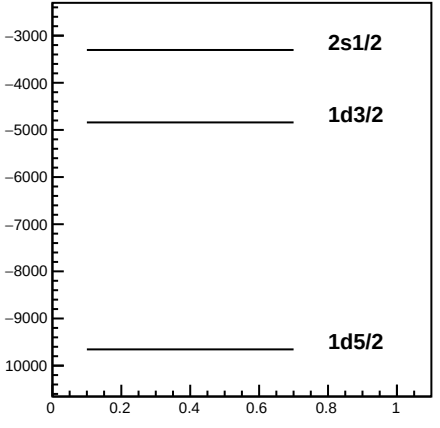
-4652.75 1d3/2 0.3 0.88











Experiment: Sh76a (8) Ra76(DWBA) (7)

proton transfer

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

E_F: -6927.48 ± 248.49 keV

Δ: -4493.91 ± 413.7 keV

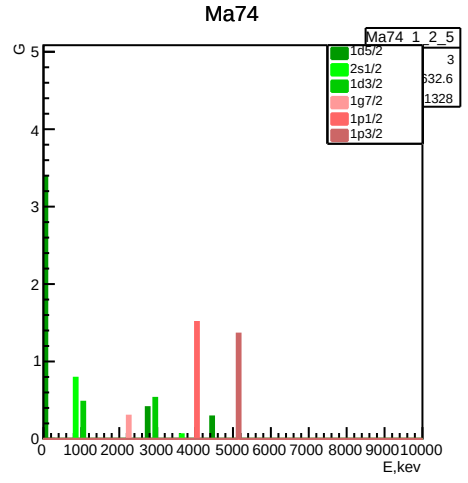
penalty: 0.0295871

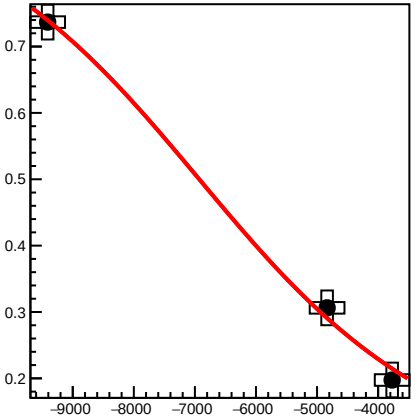
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

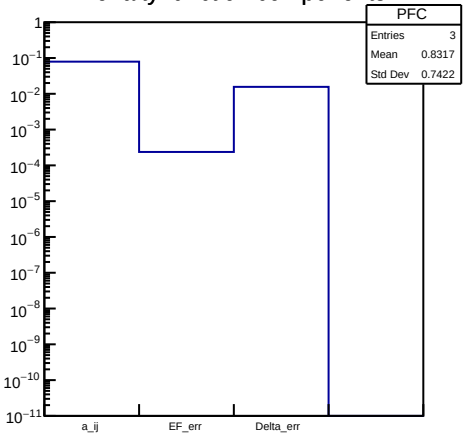
-9655.28 1d5/2 0.754333 0.924667

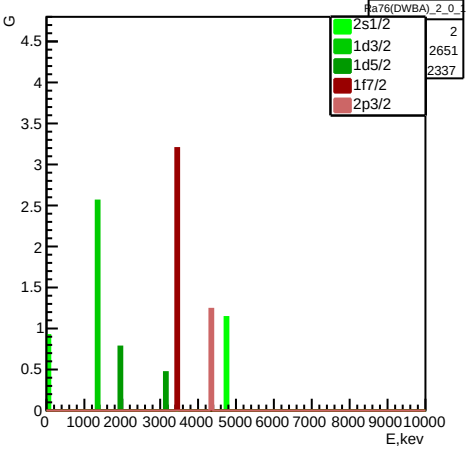
-3304.33 2s1/2 0.165 1.39

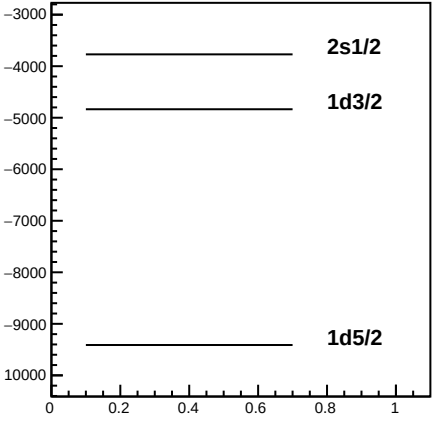
-4840.89 1d3/2 0.3075 0.895











Experiment: Ma74 (10) Ra76(DWBA) (7)

proton transfer

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

E_F: -6928.33 ± 193.657 keV

Δ: 4543.33 ± 348.067 keV

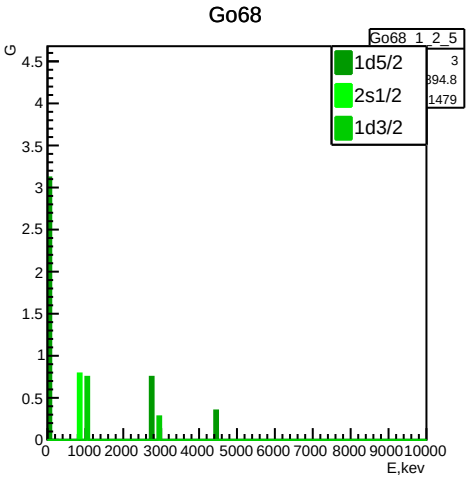
penalty: 0.0316383

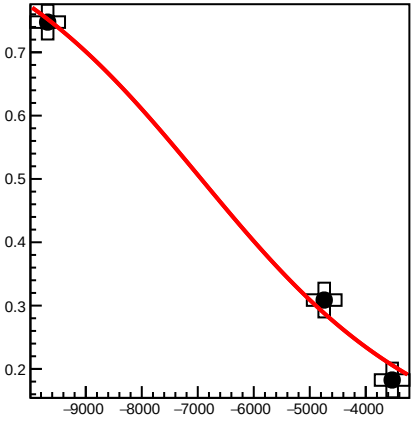
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

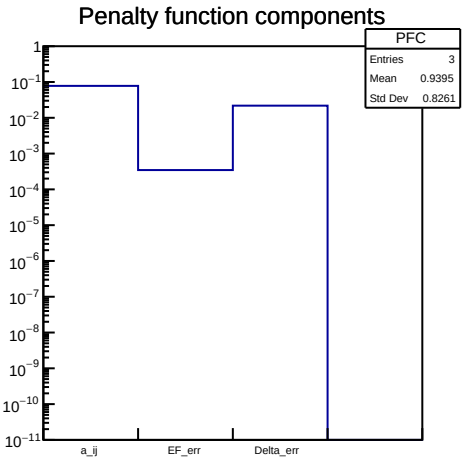
-9410.98 1d5/2 0.736833 0.889667

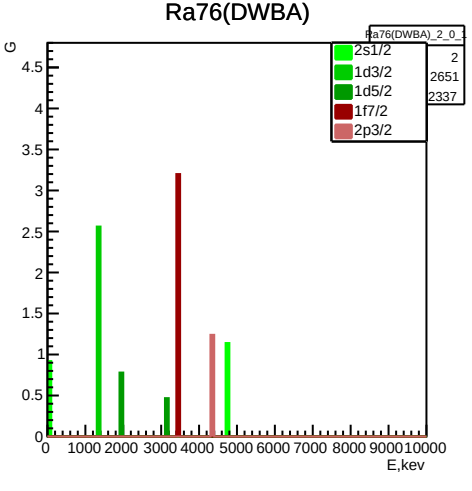
-3770.44 2s1/2 0.1975 1.455

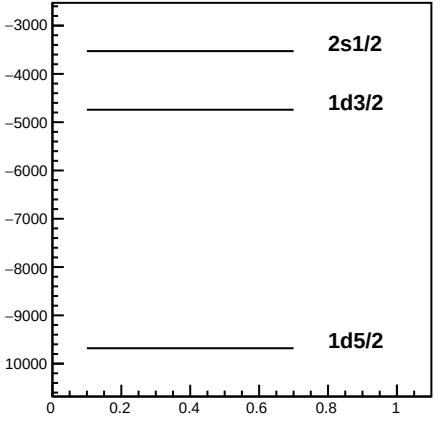
-4835.69 1d3/2 0.30625 0.8925











Experiment: Go68 (6) Ra76(DWBA) (7)

proton transfer

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

E_F: -6939.1 ± 282.848 keV

Δ: 4691.26 ± 486.399 keV

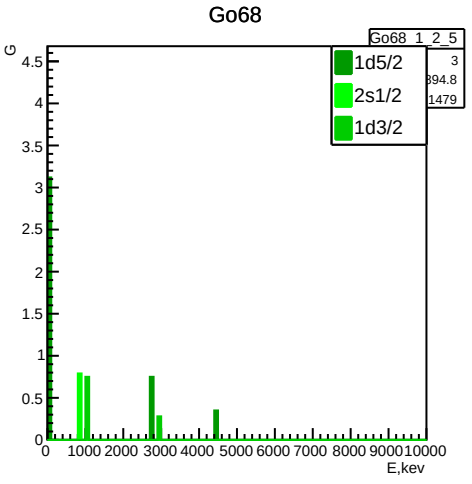
penalty: 0.033374

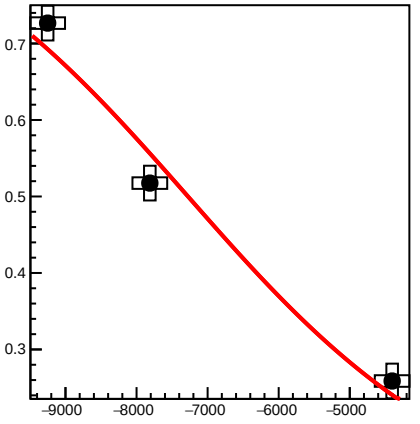
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

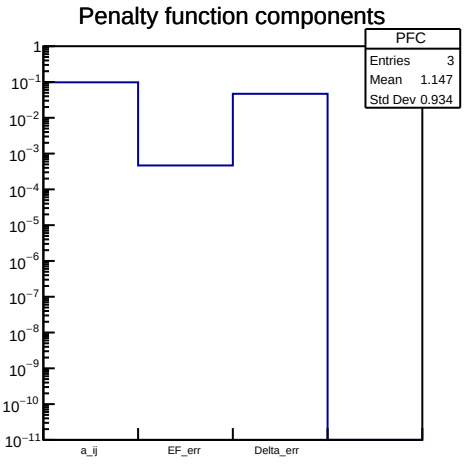
-9681.12 1d5/2 0.747667 0.911333

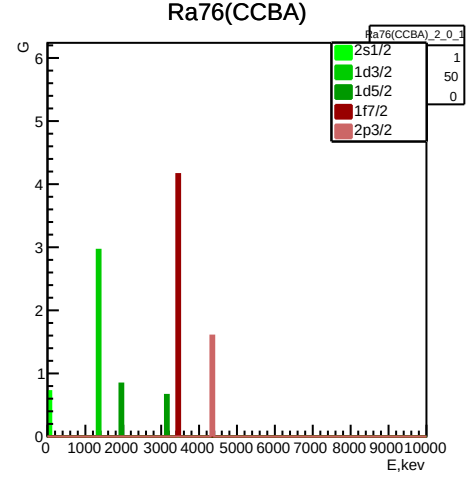
-3528.44 2s1/2 0.1825 1.425

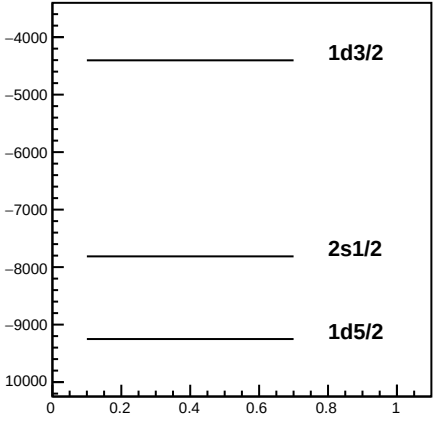
-4741.94 1d3/2 0.30875 0.8975











Experiment: Go68 (6) Ra76(CCBA) (6)

proton transfer

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

E_F: -7276.05 ± 380.327 keV

Δ: -4732.81 ± 1042.63 keV

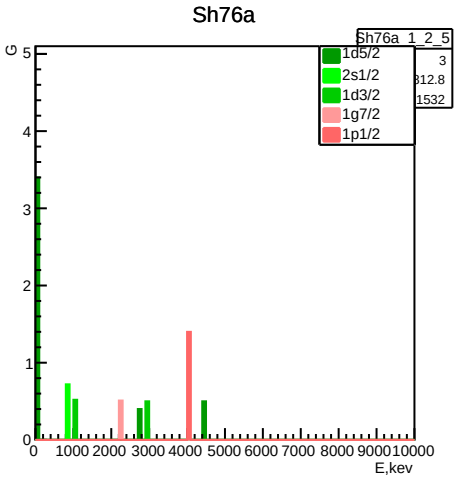
penalty: 0.0484392

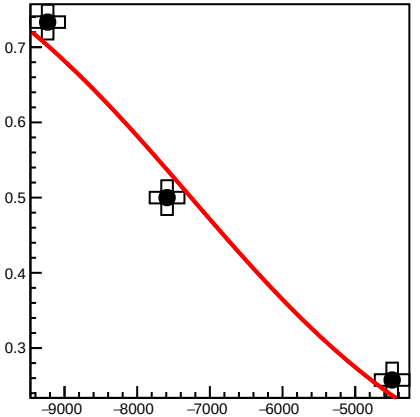
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

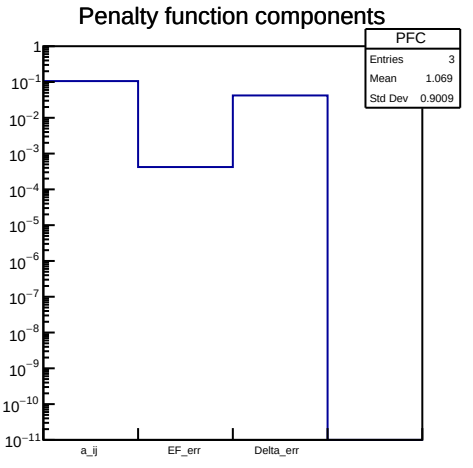
-9250.96 1d5/2 0.726667 0.953333

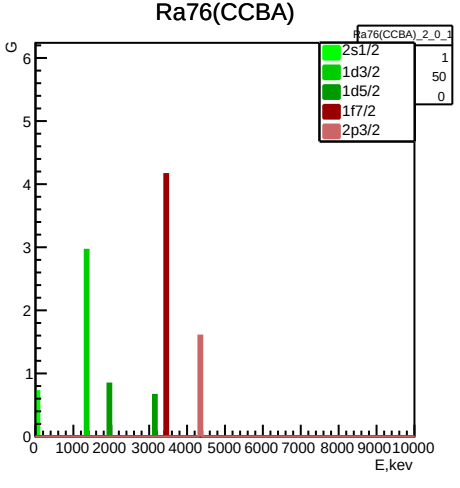
-7813.16 2s1/2 0.5175 0.755

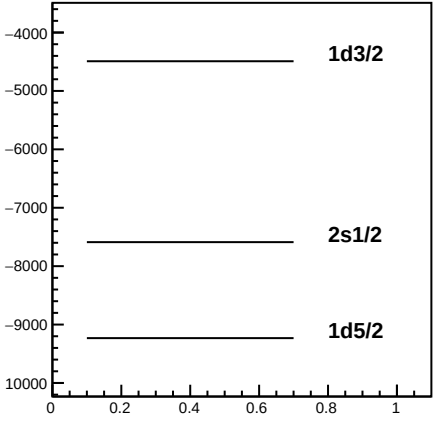
-4403.43 1d3/2 0.25875 0.9975











Experiment: Sh76a (8) Ra76(CCBA) (6)

proton transfer

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

E_F: -7257.78 ± 343.556 keV

Δ: 4469.11 ± 937.847 keV

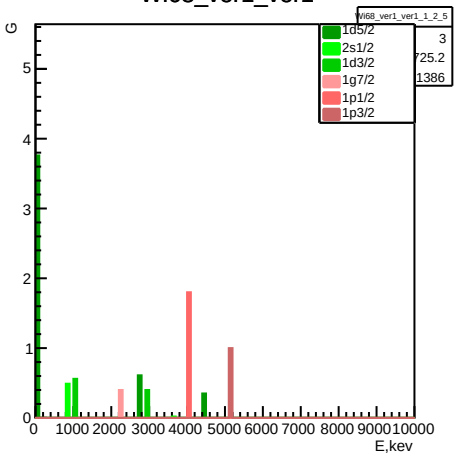
penalty: 0.0495417

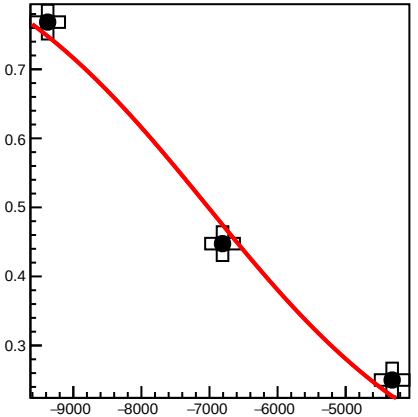
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

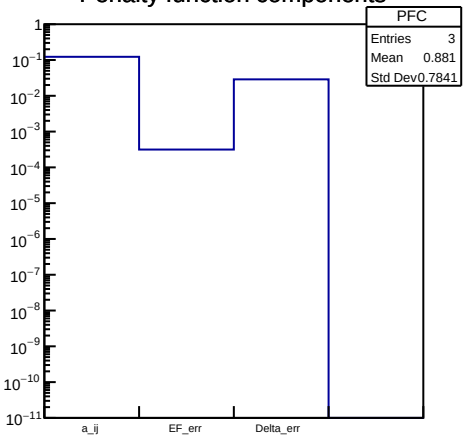
-9232.17 1d5/2 0.733333 0.966667

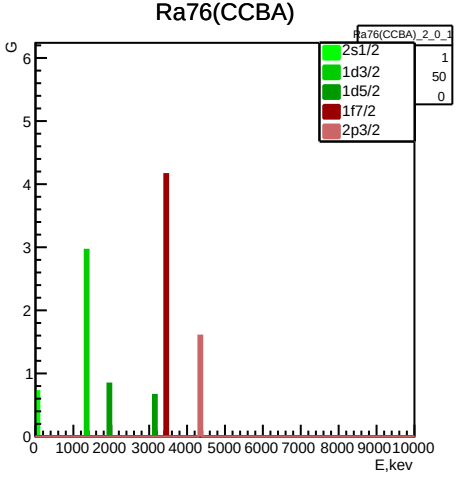
-7588.8 2s1/2 0.5 0.72

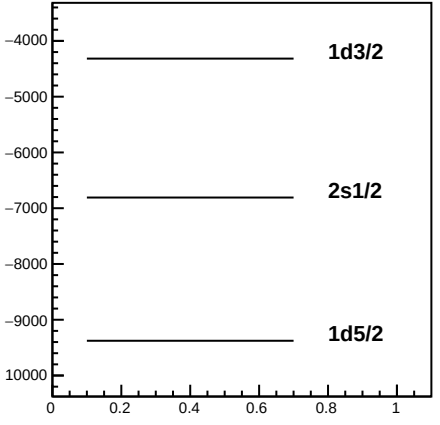
-4491.59 1d3/2 0.2575 0.995











Experiment: Wi68_ver1_ver1 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

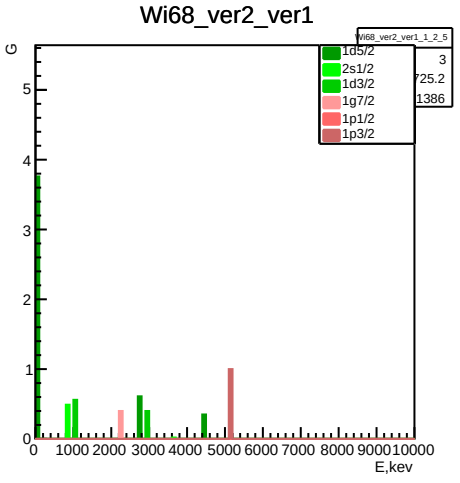
penalty: 0.0506229

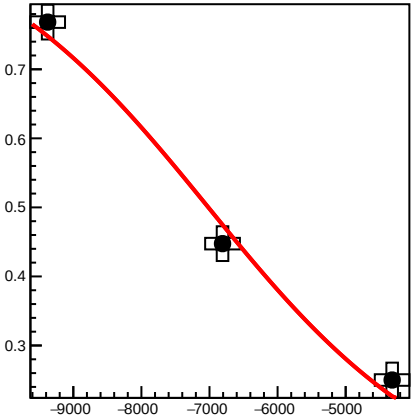
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

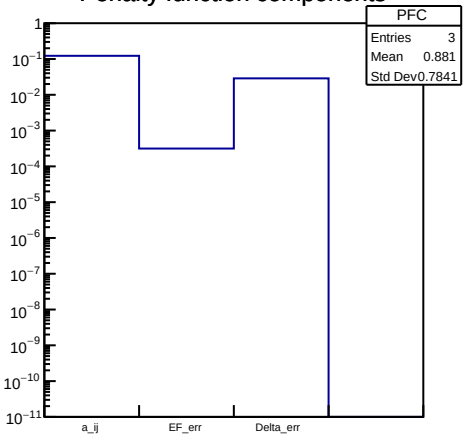
-9377.03 1d5/2 0.768333 1.03667

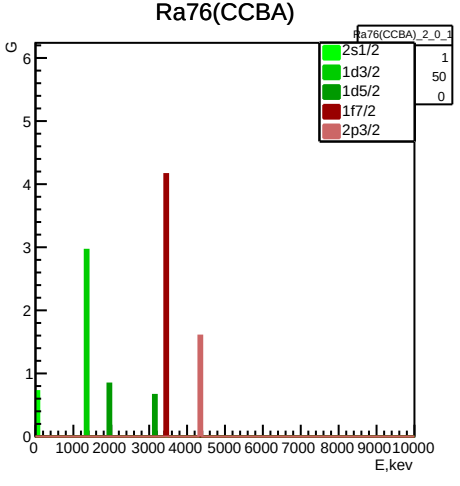
-6808.59 2s1/2 0.4475 0.615

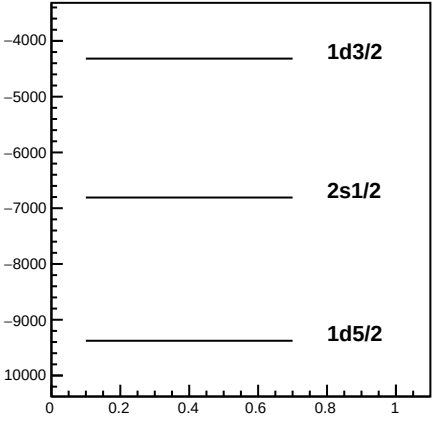
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver2_ver1 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

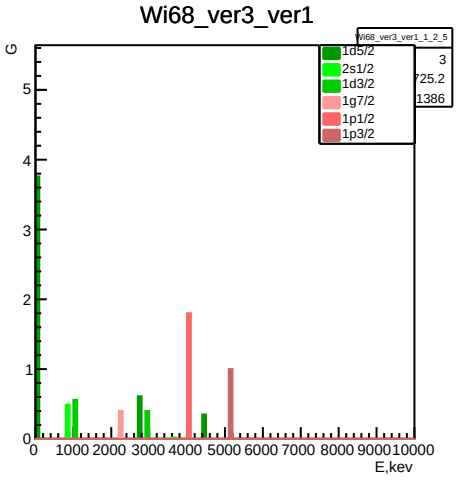
penalty: 0.0506229

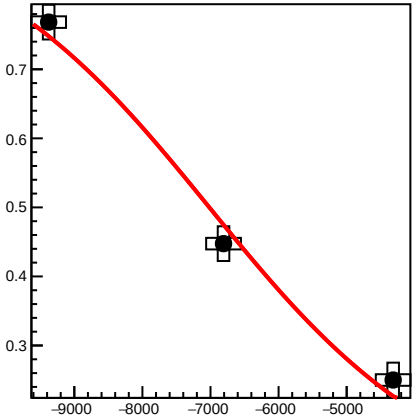
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

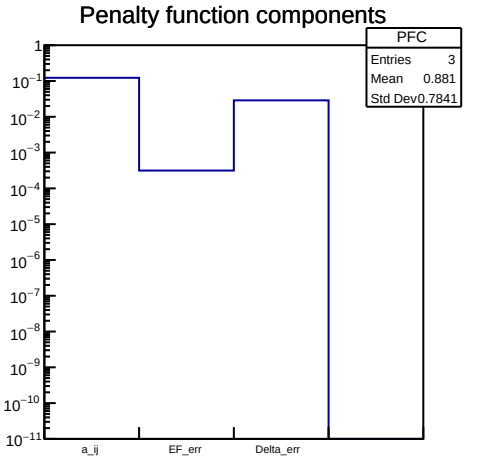
-9377.03 1d5/2 0.768333 1.03667

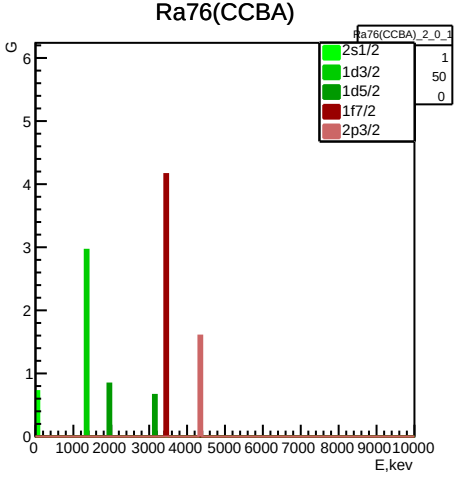
-6808.59 2s1/2 0.4475 0.615

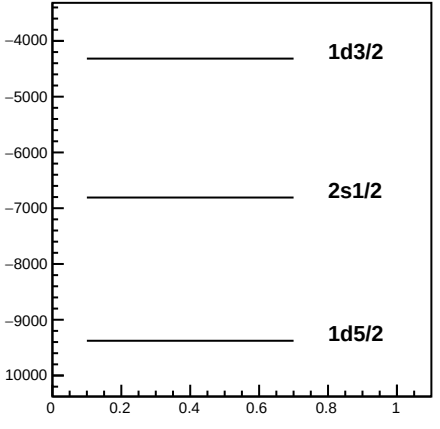
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver3_ver1 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

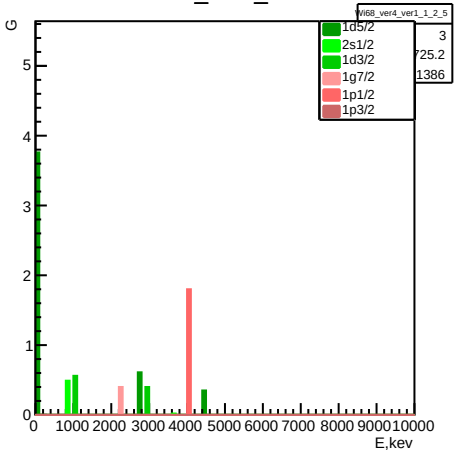
penalty: 0.0506229

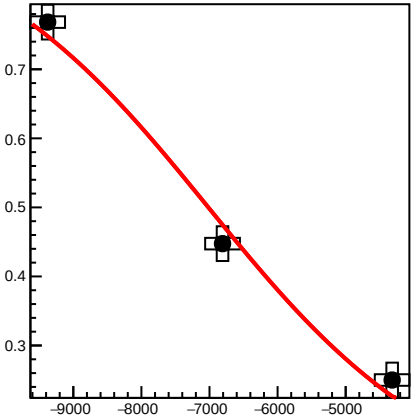
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

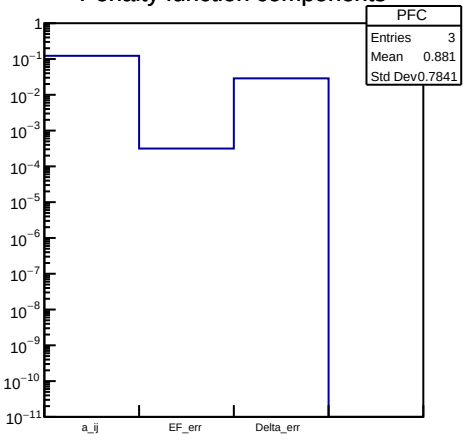
-9377.03 1d5/2 0.768333 1.03667

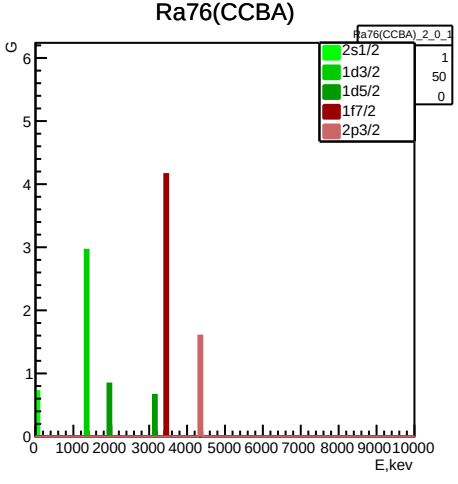
-6808.59 2s1/2 0.4475 0.615

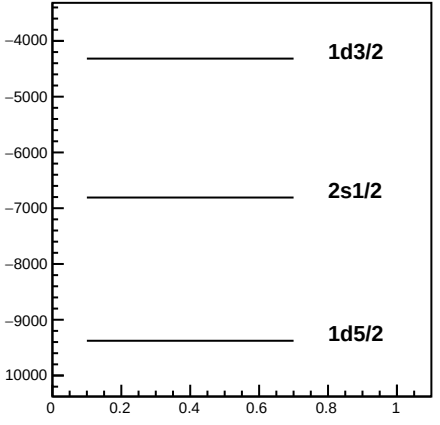
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver4_ver1 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

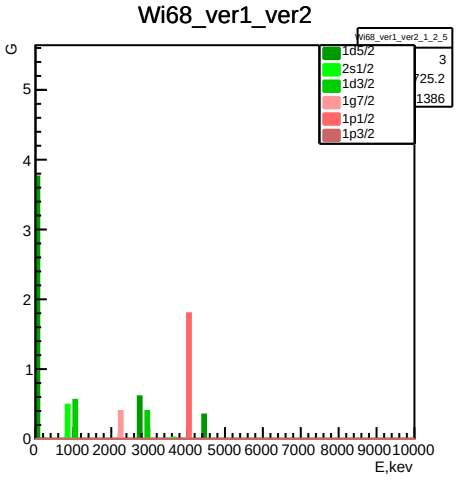
penalty: 0.0506229

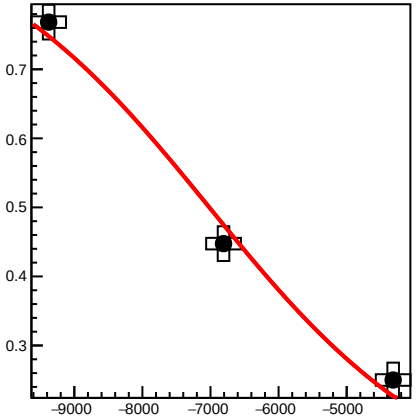
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

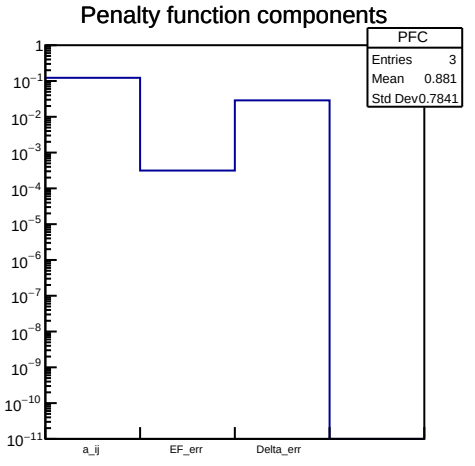
-9377.03 1d5/2 0.768333 1.03667

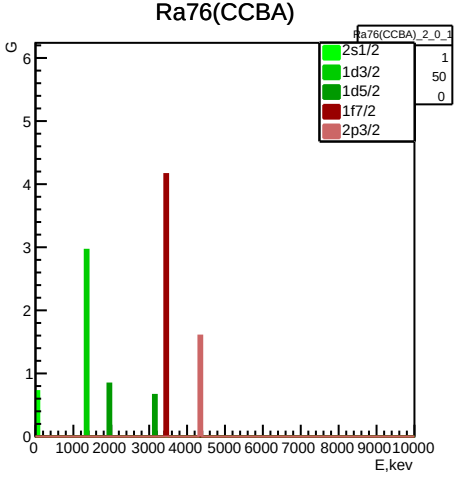
-6808.59 2s1/2 0.4475 0.615

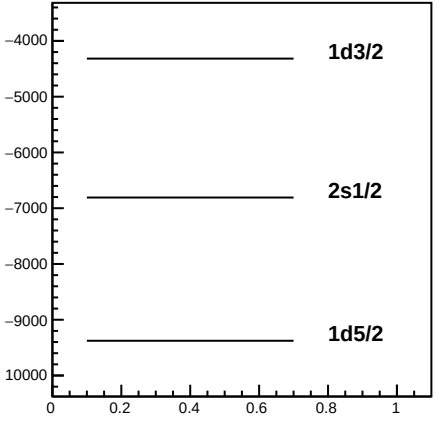
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver1_ver2 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

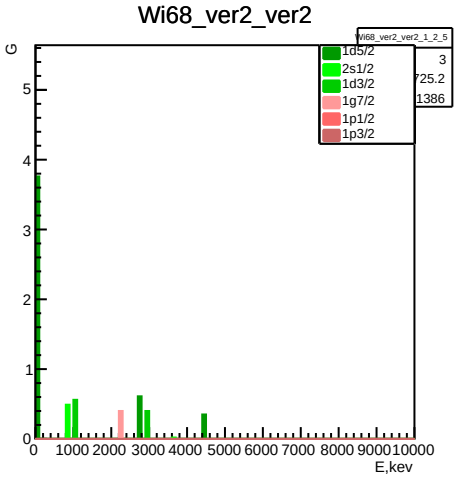
penalty: 0.0506229

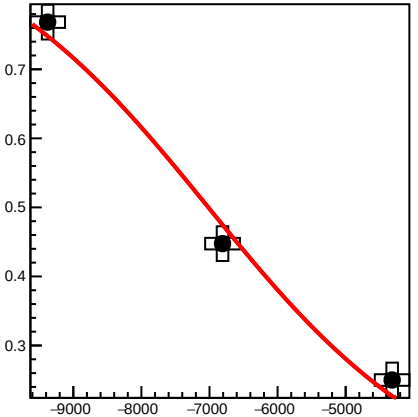
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

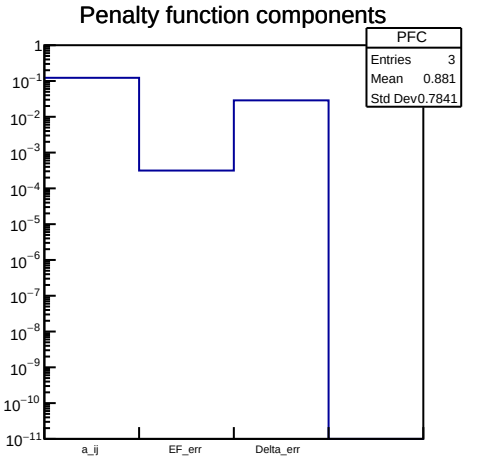
-9377.03 1d5/2 0.768333 1.03667

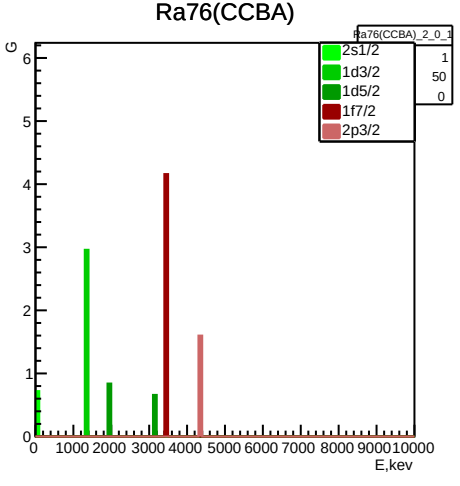
-6808.59 2s1/2 0.4475 0.615

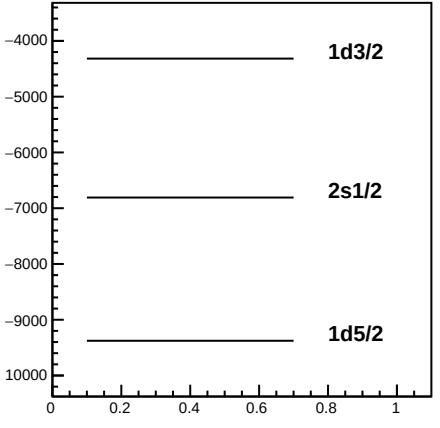
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver2_ver2 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

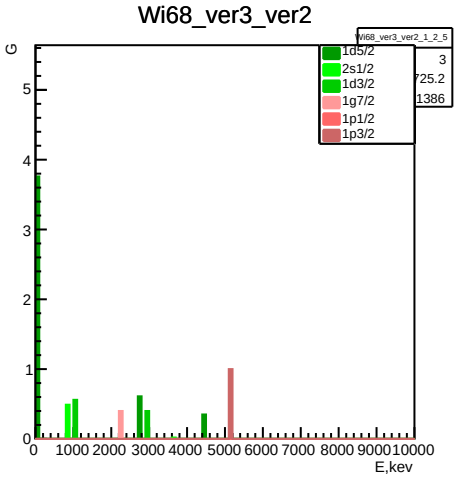
penalty: 0.0506229

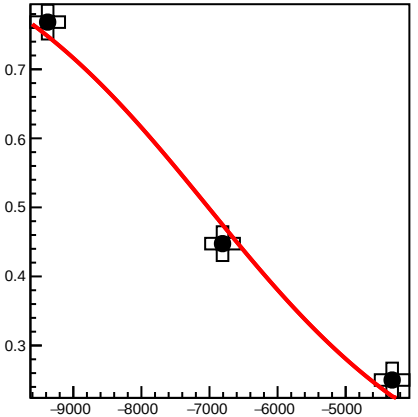
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

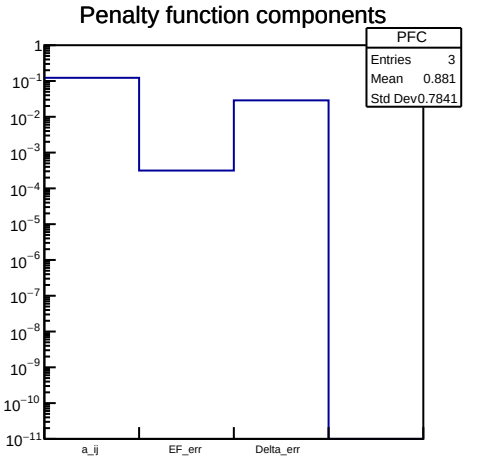
-9377.03 1d5/2 0.768333 1.03667

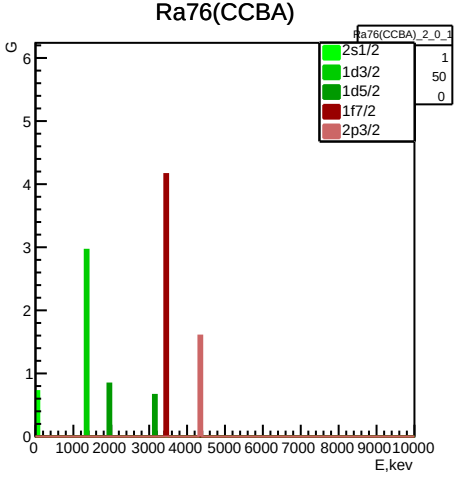
-6808.59 2s1/2 0.4475 0.615

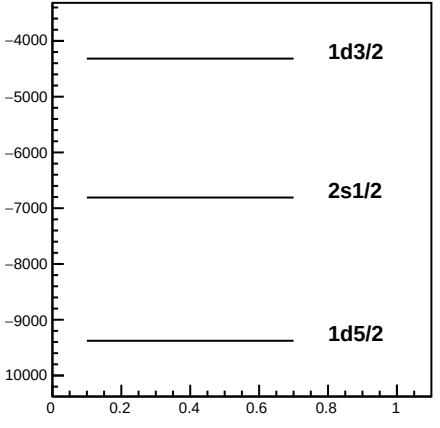
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver3_ver2 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

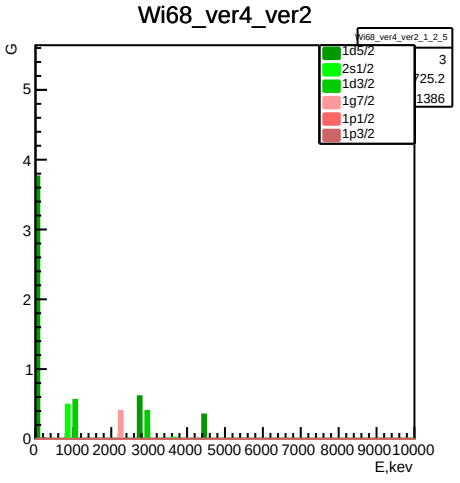
penalty: 0.0506229

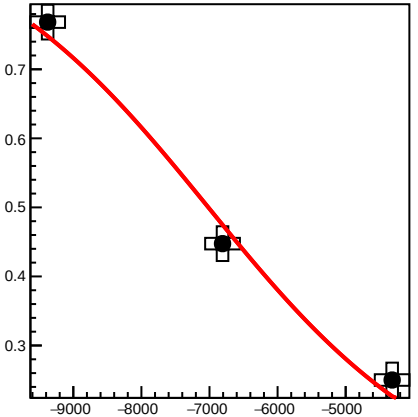
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

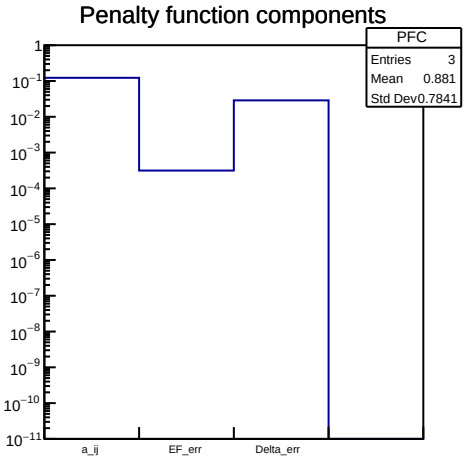
-9377.03 1d5/2 0.768333 1.03667

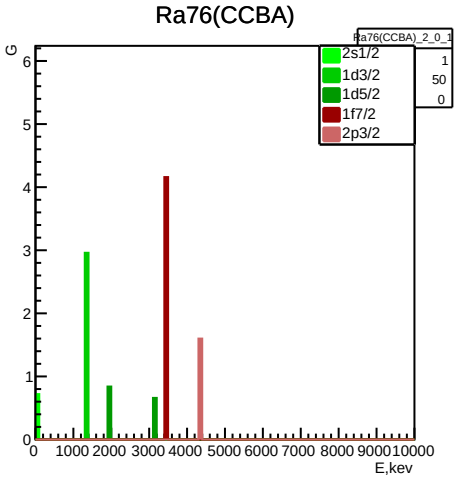
-6808.59 2s1/2 0.4475 0.615

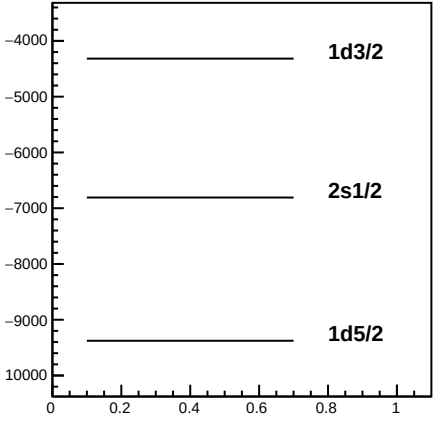
-4317.3 1d3/2 0.25 0.98











Experiment: Wi68_ver4_ver2 (10) Ra76(CCB

proton transfer

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

E_F: -7016.82 ± 257.031 keV

Δ: -4131.97 ± 641.134 keV

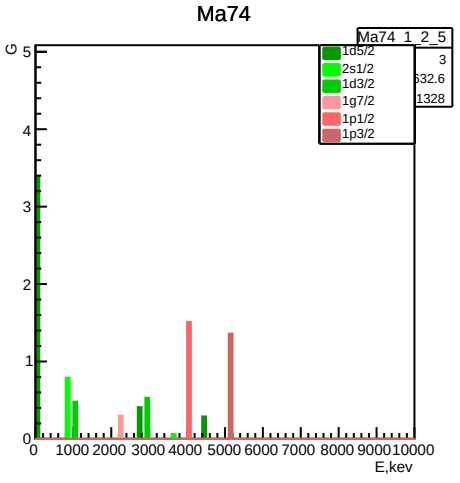
penalty: 0.0506229

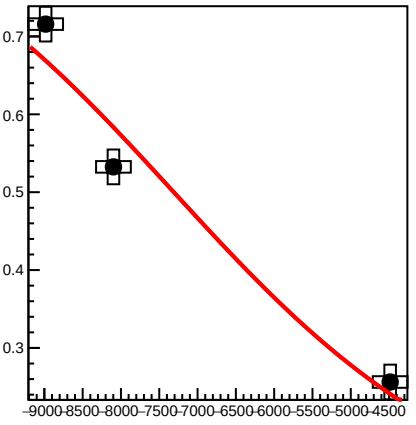
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

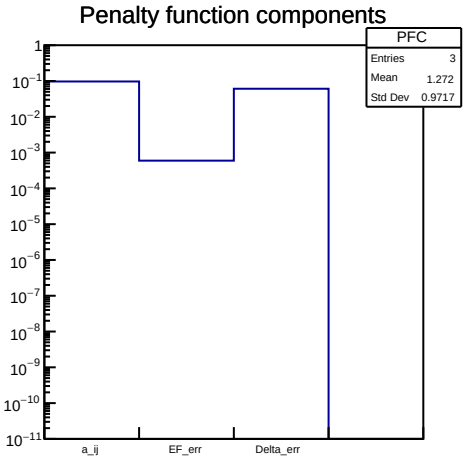
-9377.03 1d5/2 0.768333 1.03667

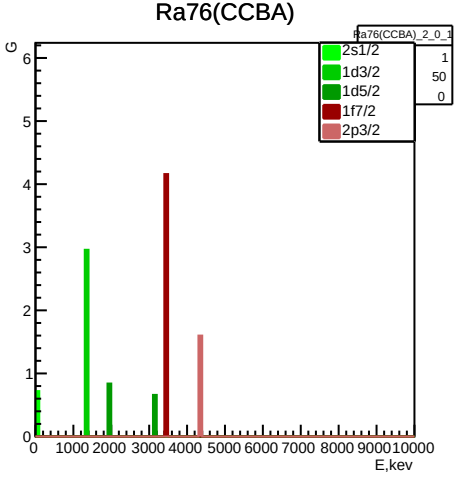
-6808.59 2s1/2 0.4475 0.615

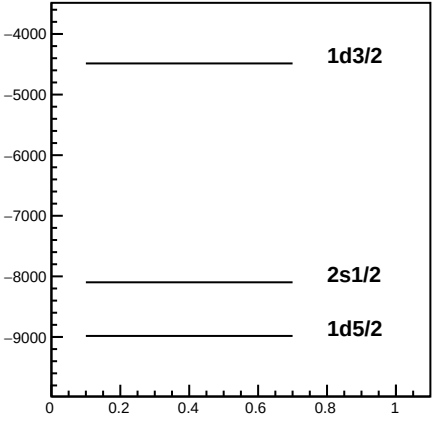
-4317.3 1d3/2 0.25 0.98











Experiment: Ma74 (10) Ra76(CCBA) (6)

proton transfer

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

E_F: -7310.01 ± 485.879 keV

Δ: 4662.17 ± 1354.45 keV

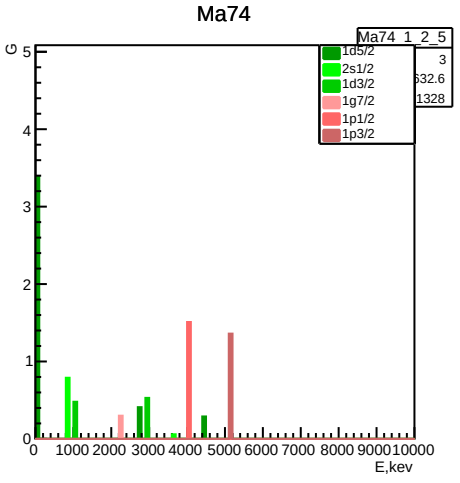
penalty: 0.0527771

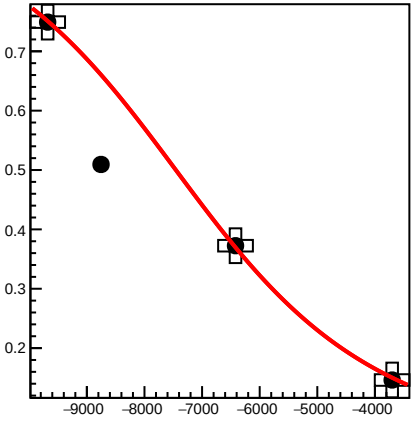
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

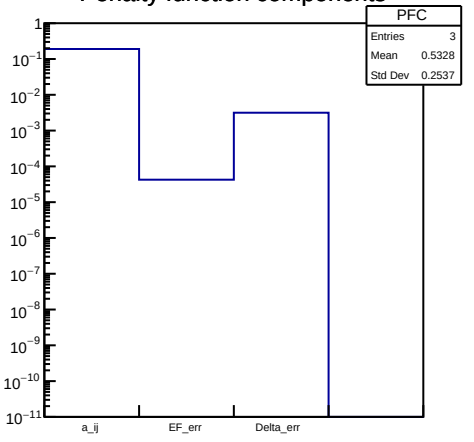
-8983 1d5/2 0.715833 0.931667

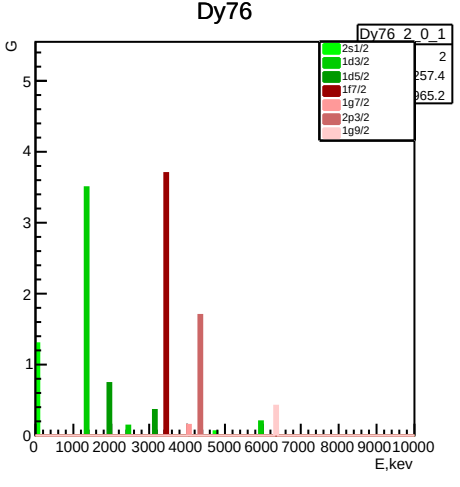
-8097.96 2s1/2 0.5325 0.785

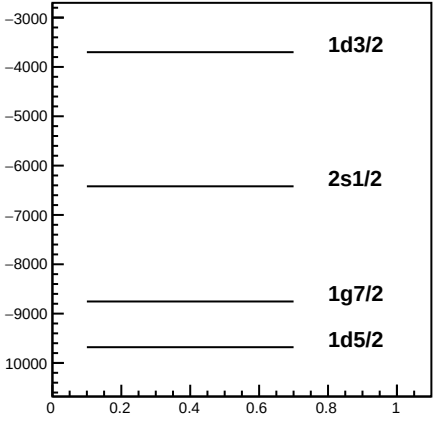
-4486.03 1d3/2 0.25625 0.9925











Experiment: Ma74 (10) Dy76 (11)

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: 0.0645033

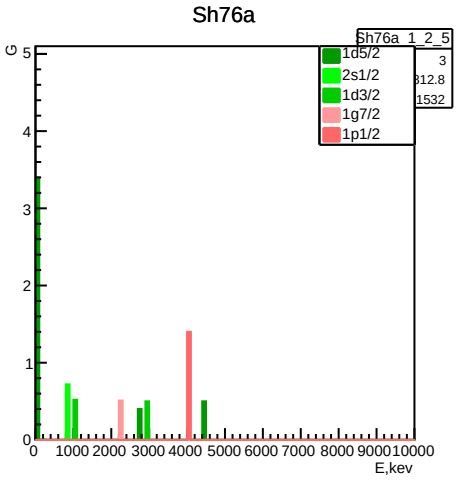
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

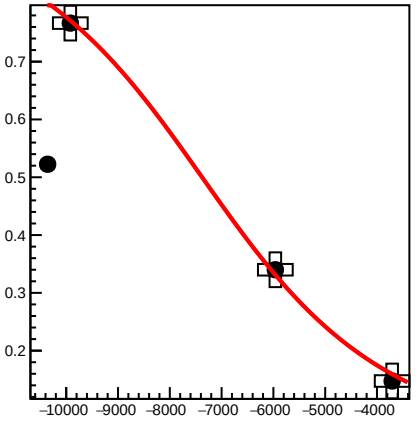
-9680.65 1d5/2 0.749167 0.865

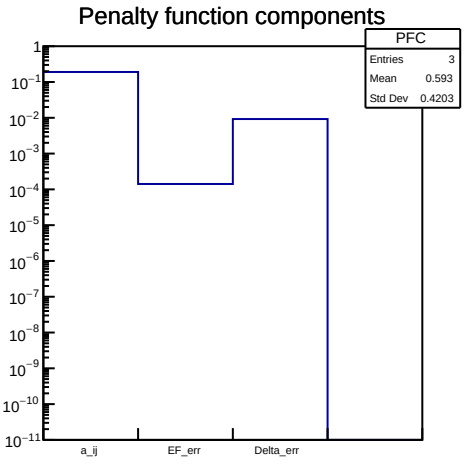
-6419.69 2s1/2 0.3725 1.105

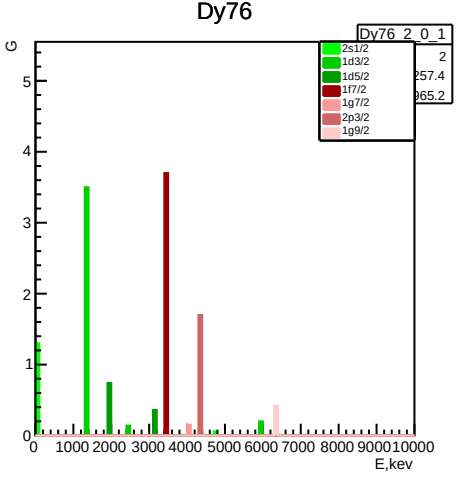
-3700.75 1d3/2 0.14625 1.2125

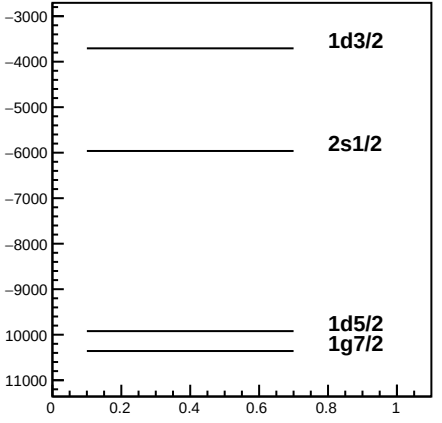
-8754.11 1g7/2 0.509375 0.05625











Experiment: Sh76a (8) Dy76 (11)

proton transfer

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

E_F: -7376.66 ± 115.523 keV

Δ: -3942.5 ± 205.655 keV

penalty: 0.0666656

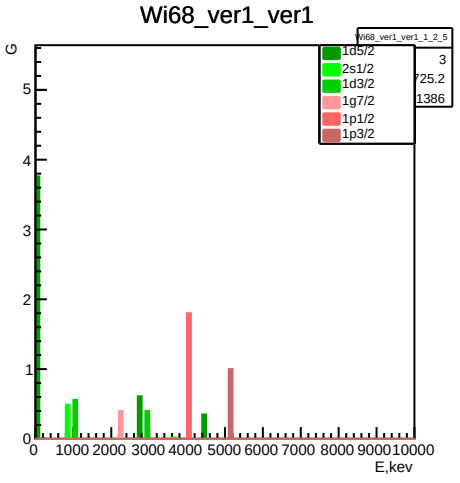
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

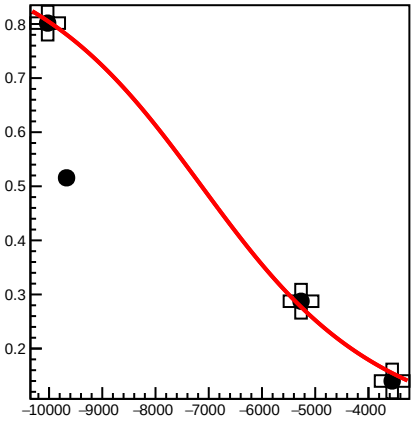
-9921.15 1d5/2 0.766667 0.9

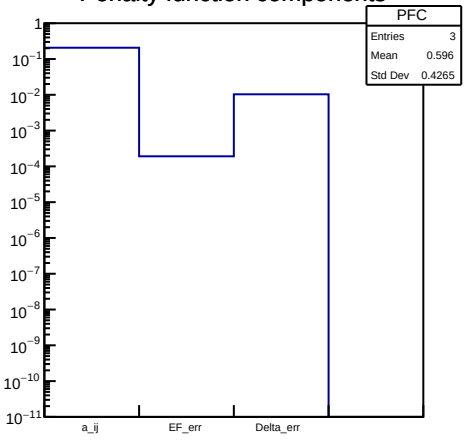
-5962.3 2s1/2 0.34 1.04

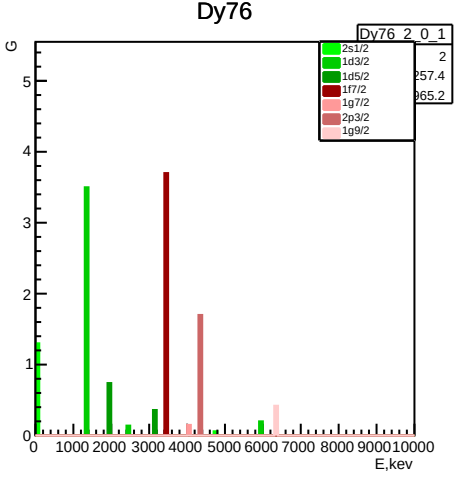
-3706.91 1d3/2 0.1475 1.215

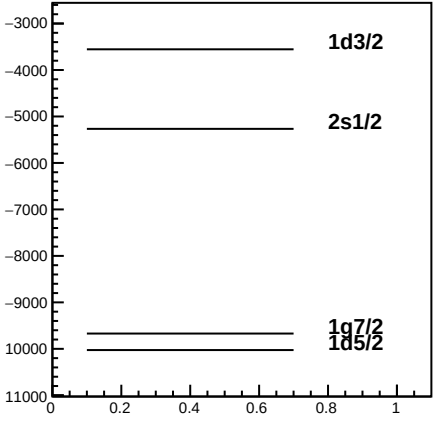
-10358.7 1g7/2 0.5225 0.0825











Experiment: Wi68_ver1_ver1 (10) Dy76 (11)

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: 0.072359

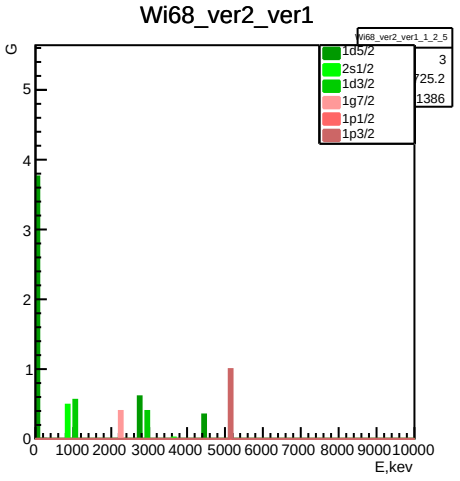
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

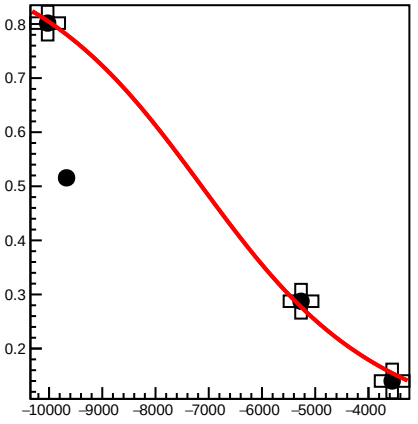
-10026.2 1d5/2 0.801667 0.97

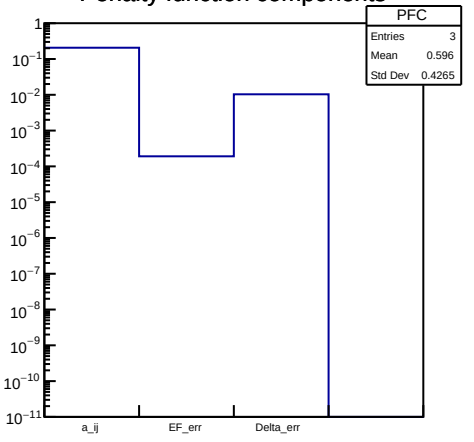
-5266.46 2s1/2 0.2875 0.935

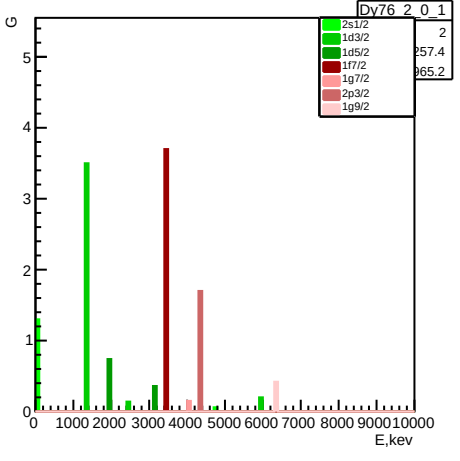
-3554.77 1d3/2 0.14 1.2

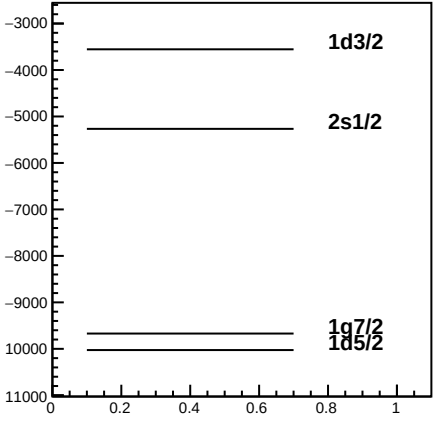
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver2_ver1 (10) Dy76 (11)

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: 0.072359

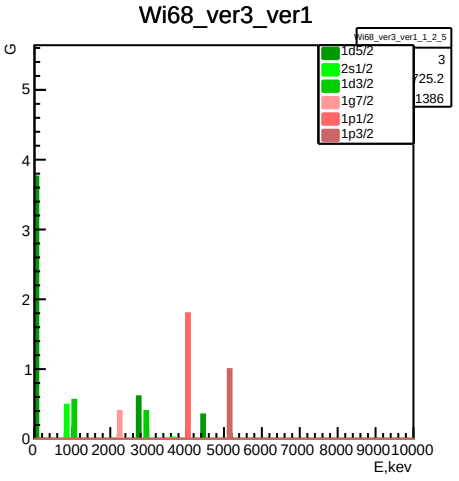
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

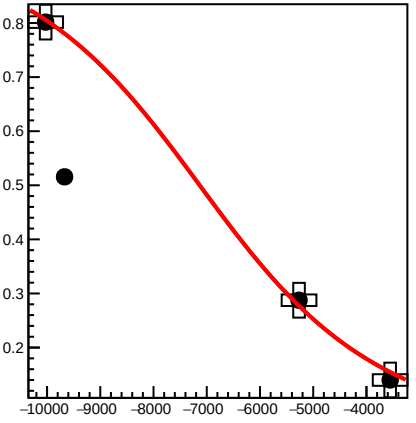
-10026.2 1d5/2 0.801667 0.97

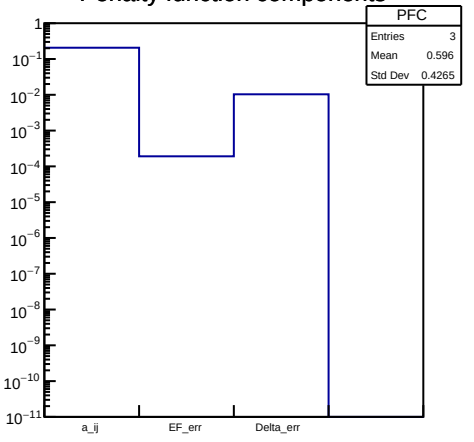
-5266.46 2s1/2 0.2875 0.935

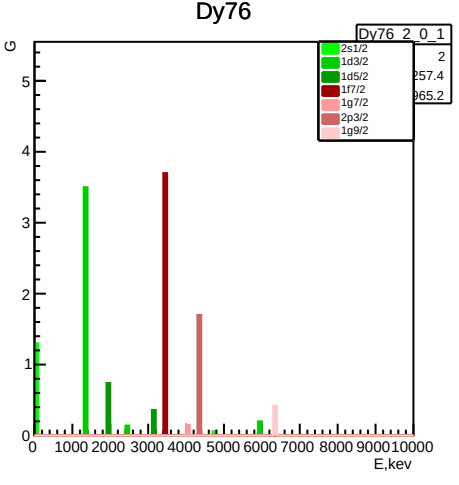
-3554.77 1d3/2 0.14 1.2

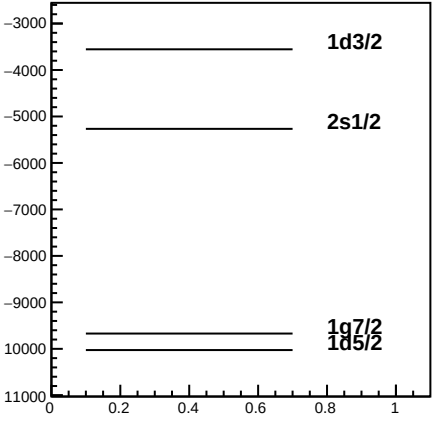
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver3_ver1 (10) Dy76 (11)

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: 0.072359

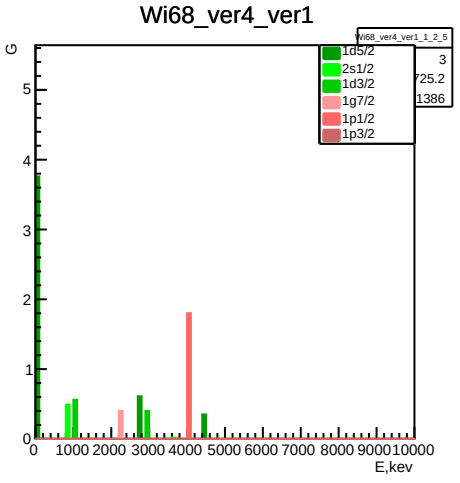
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

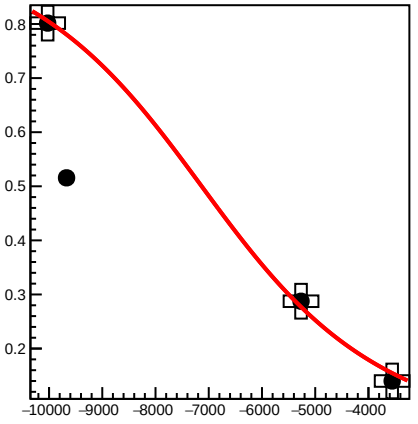
-10026.2 1d5/2 0.801667 0.97

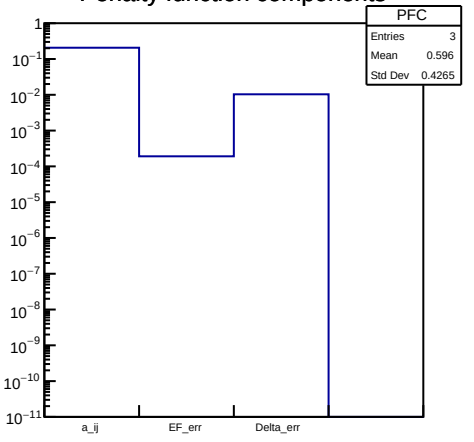
-5266.46 2s1/2 0.2875 0.935

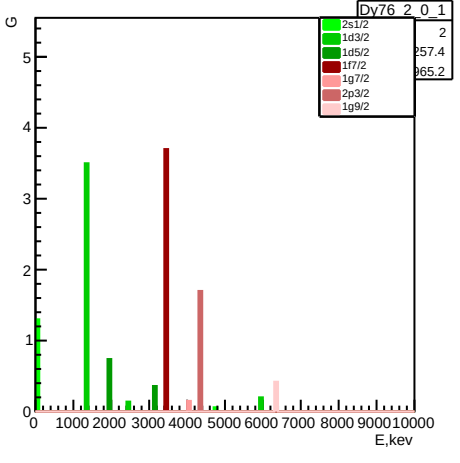
-3554.77 1d3/2 0.14 1.2

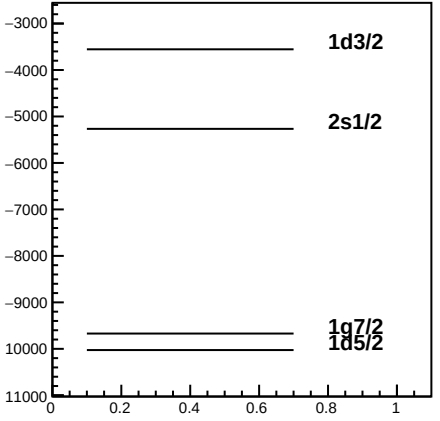
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver4_ver1 (10) Dy76 (11)

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: 0.072359

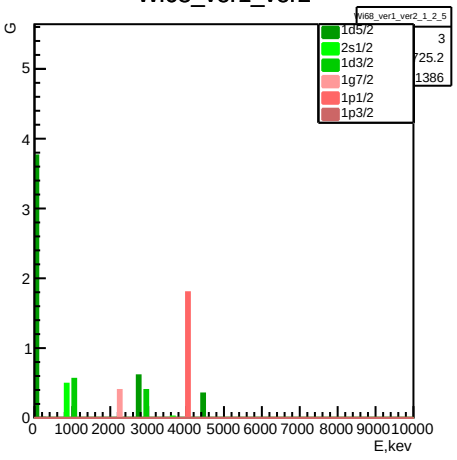
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

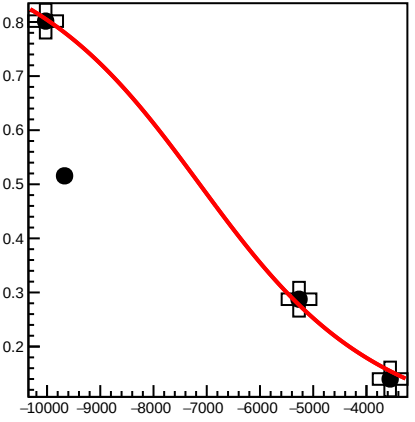
-10026.2 1d5/2 0.801667 0.97

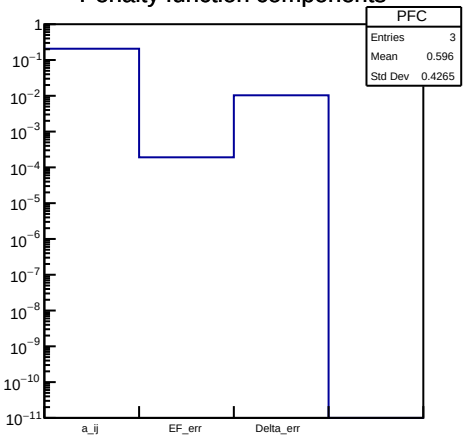
-5266.46 2s1/2 0.2875 0.935

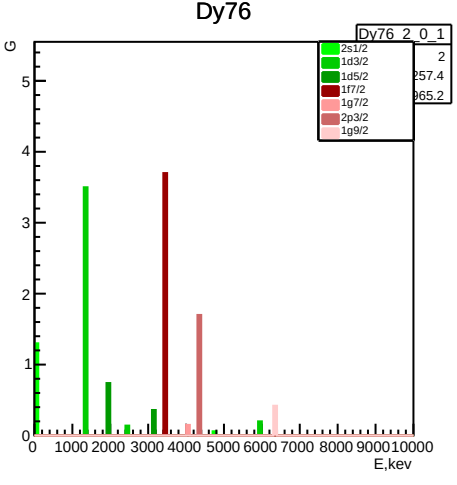
-3554.77 1d3/2 0.14 1.2

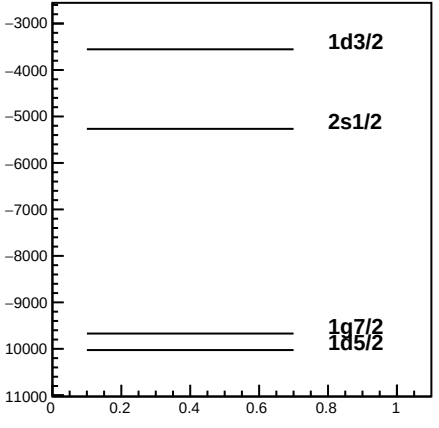
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver1_ver2 (10) Dy76 (11)

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: 0.072359

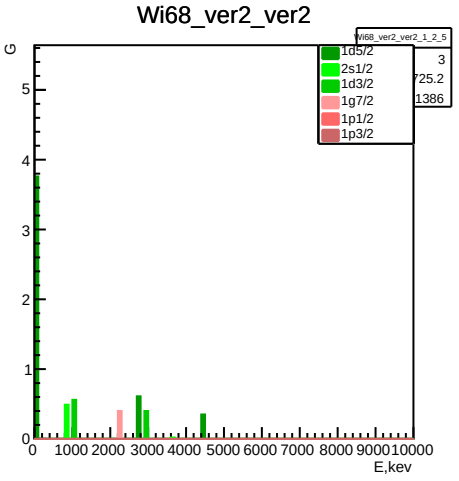
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

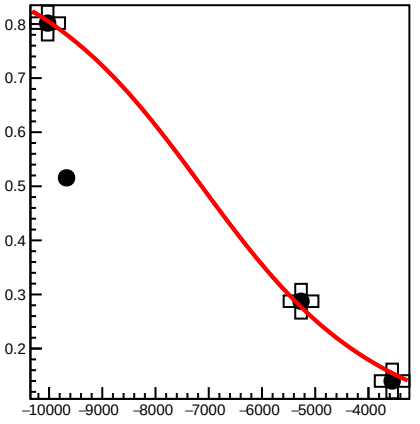
-10026.2 1d5/2 0.801667 0.97

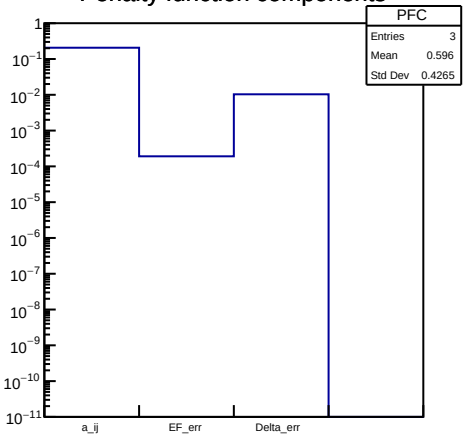
-5266.46 2s1/2 0.2875 0.935

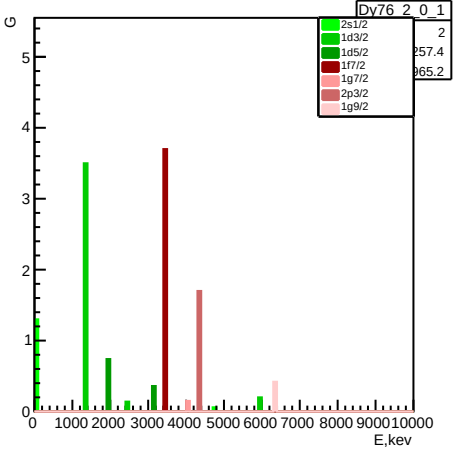
-3554.77 1d3/2 0.14 1.2

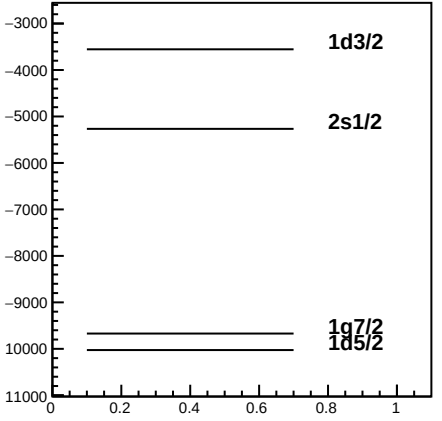
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver2_ver2 (10) Dy76 (11)

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: 0.072359

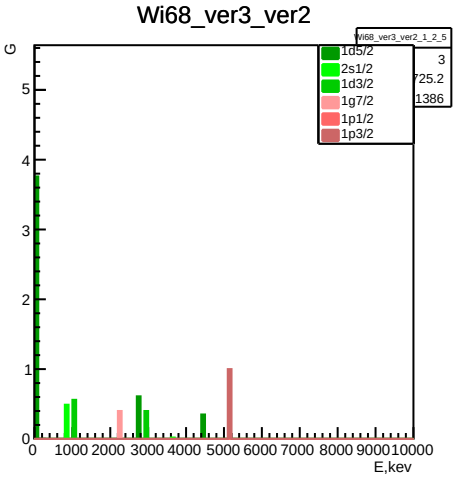
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

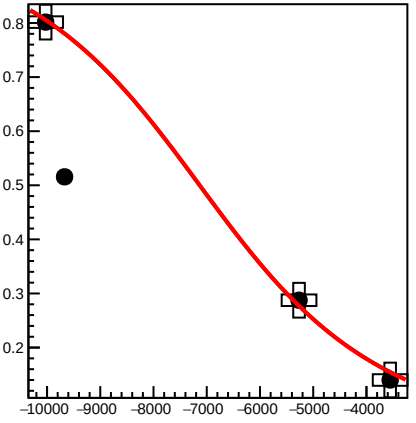
-10026.2 1d5/2 0.801667 0.97

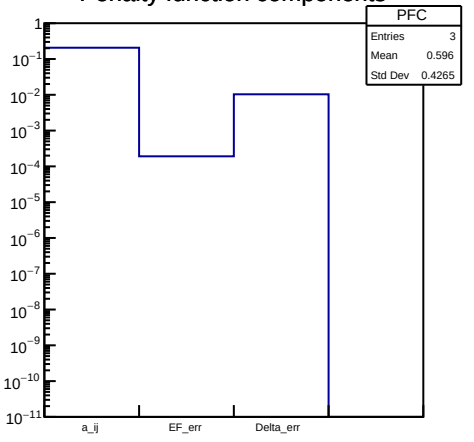
-5266.46 2s1/2 0.2875 0.935

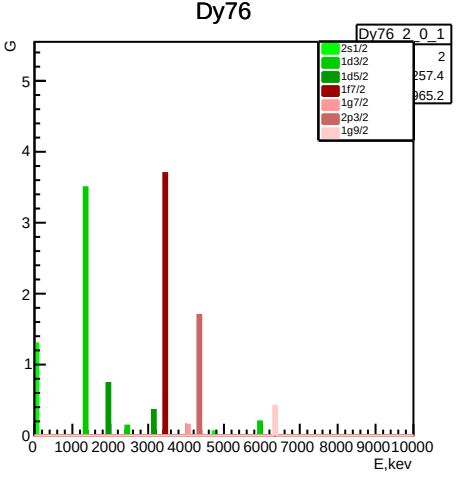
-3554.77 1d3/2 0.14 1.2

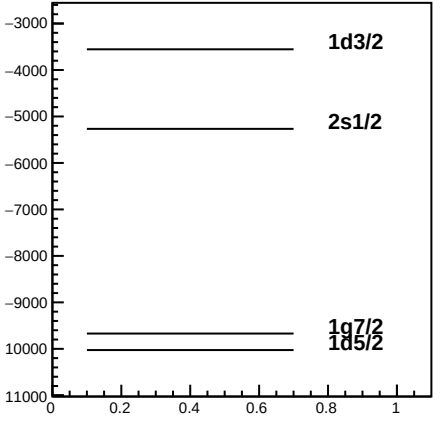
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver3_ver2 (10) Dy76 (11)

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: 0.072359

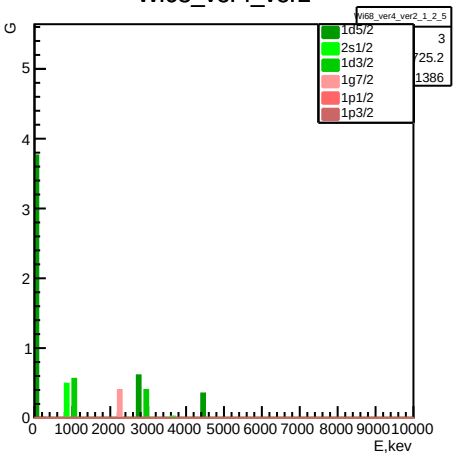
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

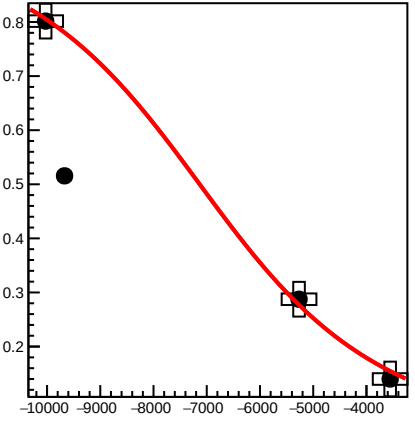
-10026.2 1d5/2 0.801667 0.97

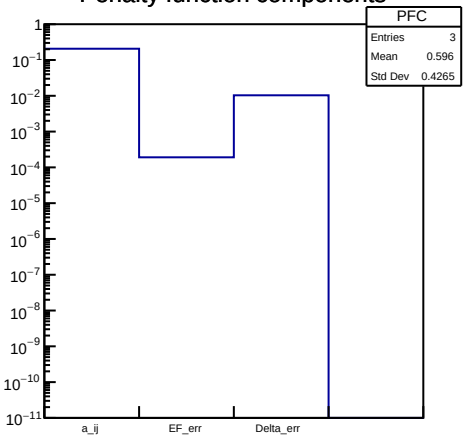
-5266.46 2s1/2 0.2875 0.935

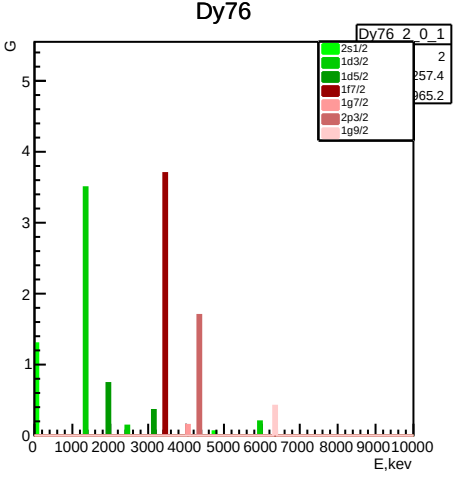
-3554.77 1d3/2 0.14 1.2

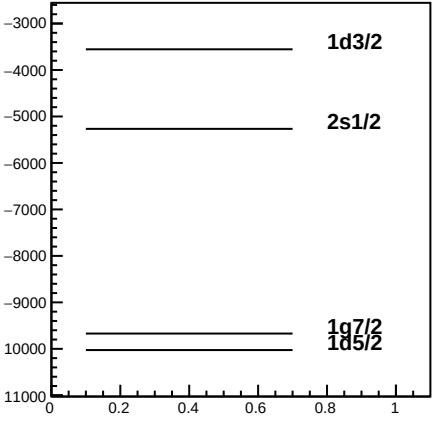
-9671 1g7/2 0.515625 0.06875











Experiment: Wi68_ver4_ver2 (10) Dy76 (11)

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: 0.072359

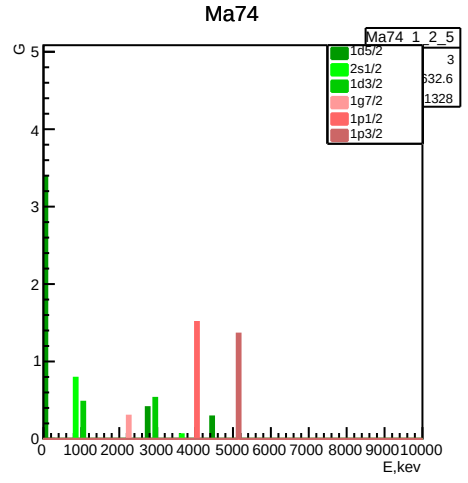
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

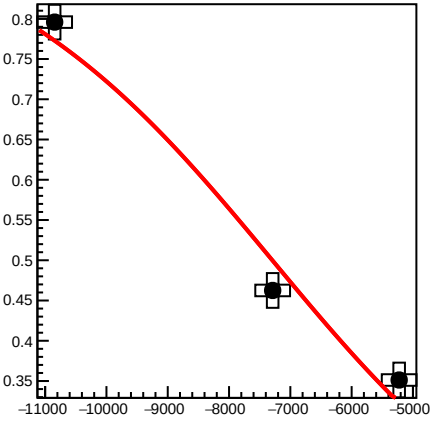
-10026.2 1d5/2 0.801667 0.97

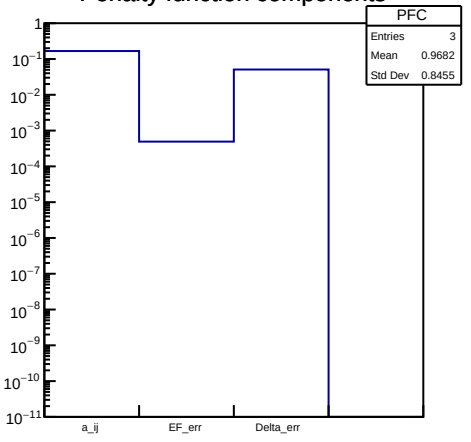
-5266.46 2s1/2 0.2875 0.935

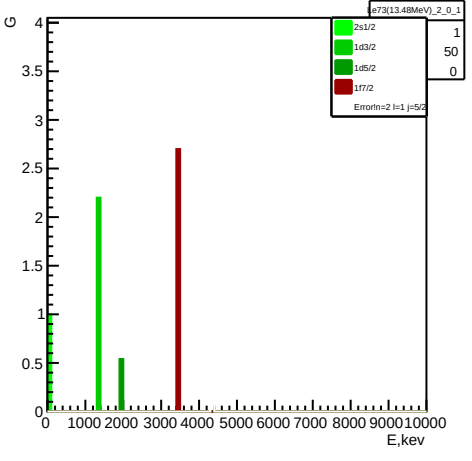
-3554.77 1d3/2 0.14 1.2

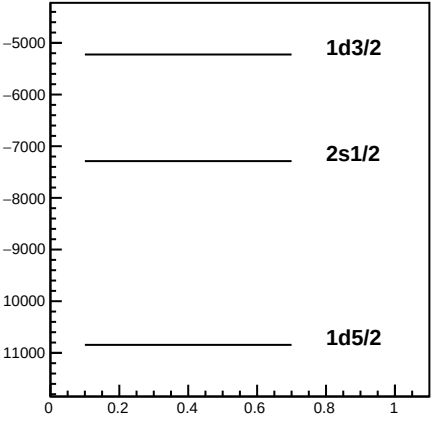
-9671 1g7/2 0.515625 0.06875











Experiment: Ma74 (10) Le73(13.48MeV) (5)

proton transfer

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

E_F: -7293.79 ± 401.568 keV

Δ: 5455.54 ± 1133.09 keV

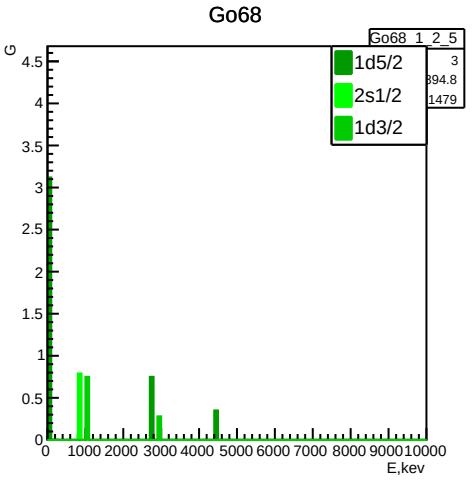
penalty: 0.0727642

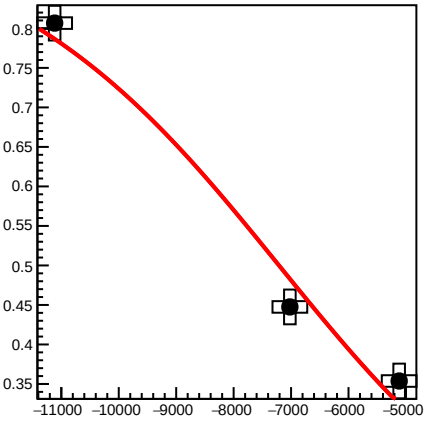
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

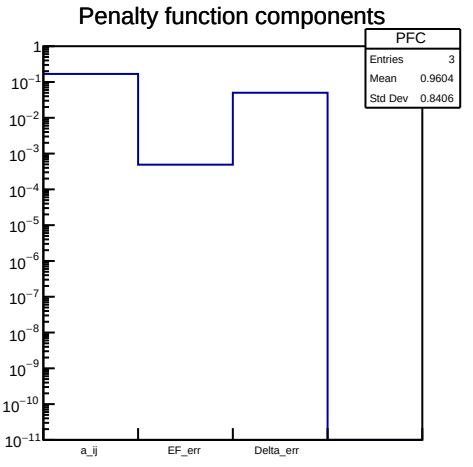
-10845 1d5/2 0.795833 0.771667

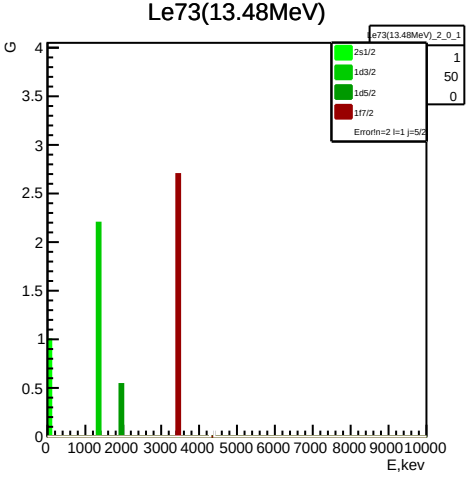
-7288.37 2s1/2 0.4625 0.925

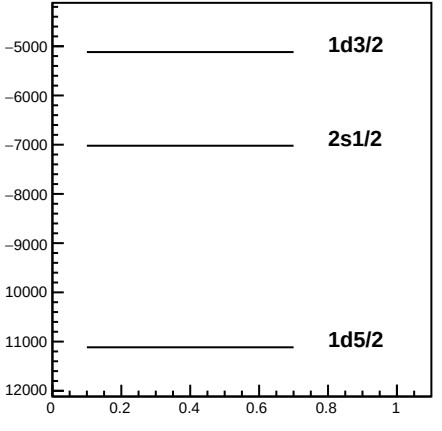
-5224.9 1d3/2 0.35125 0.8025











Experiment: Go68 (6) Le73(13.48MeV) (5) proton transfer

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

E_F: -7210.11 ± 400.264 keV

Δ: 5583.1 ± 1115.91 keV

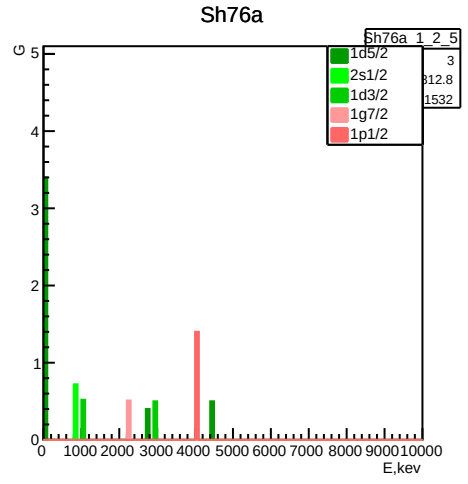
penalty: 0.0728771

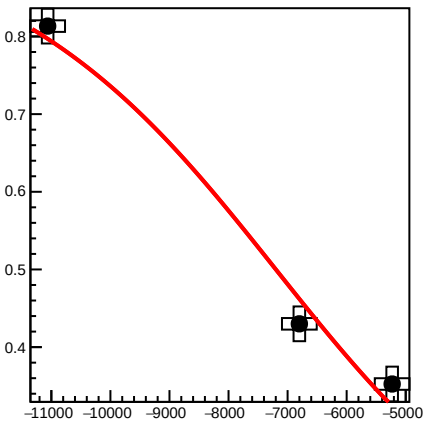
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

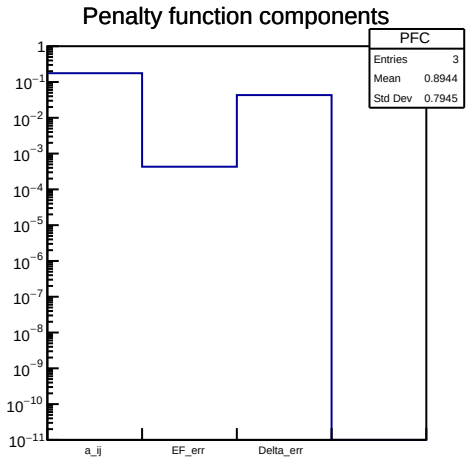
-11116.1 1d5/2 0.806667 0.793333

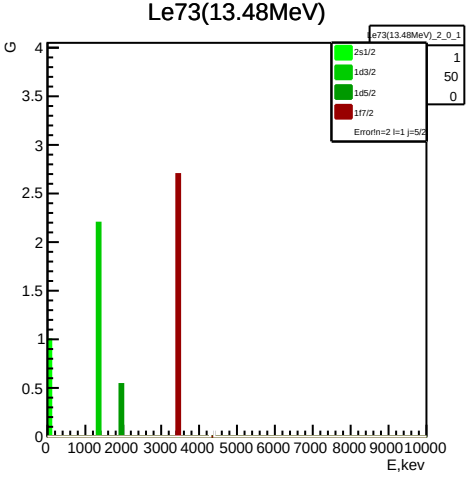
-7020.98 2s1/2 0.4475 0.895

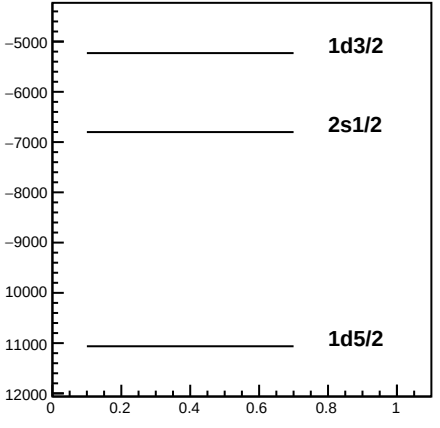
-5118.28 1d3/2 0.35375 0.8075











Experiment: Sh76a (8) Le73(13.48MeV) (5)

proton transfer

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

E_F: -7198.66 ± 350.64 keV

Δ: 5233.87 ± 960.195 keV

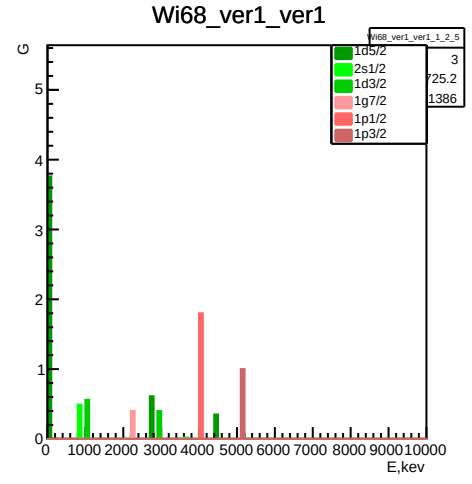
penalty: 0.0732123

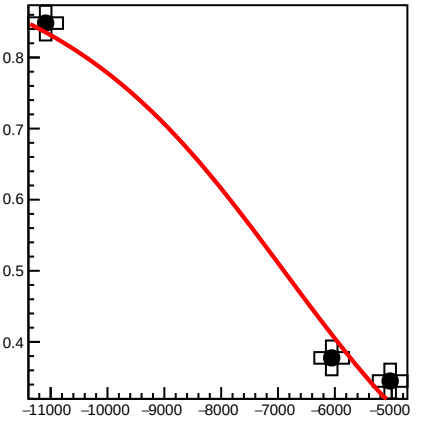
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

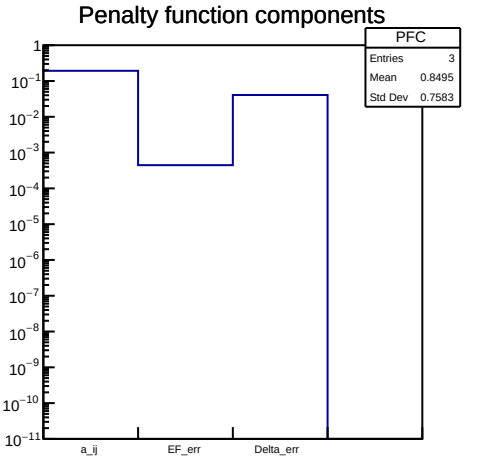
-11062.8 1d5/2 0.813333 0.806667

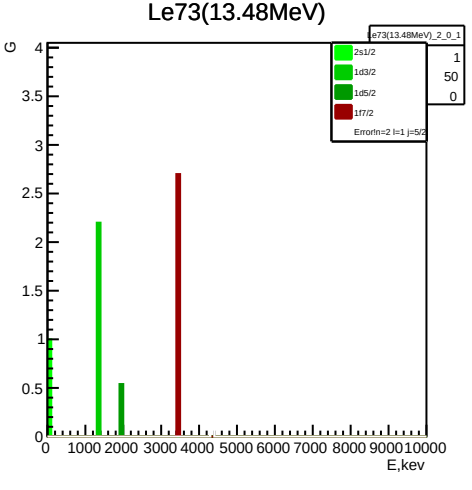
-6800.9 2s1/2 0.43 0.86

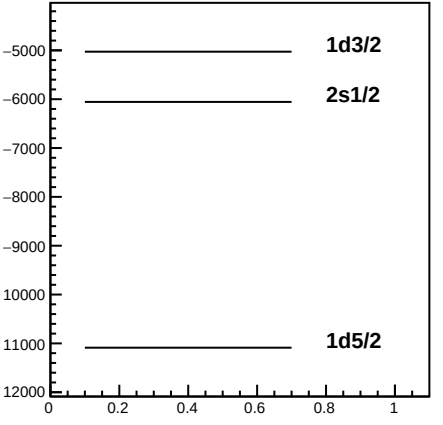
-5229.47 1d3/2 0.3525 0.805











Experiment: Wi68_ver1_ver1 (10) Le73(13.48

proton transfer

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

E_F: -6898.17 ± 363.395 keV

Δ: 4633.64 ± 905.684 keV

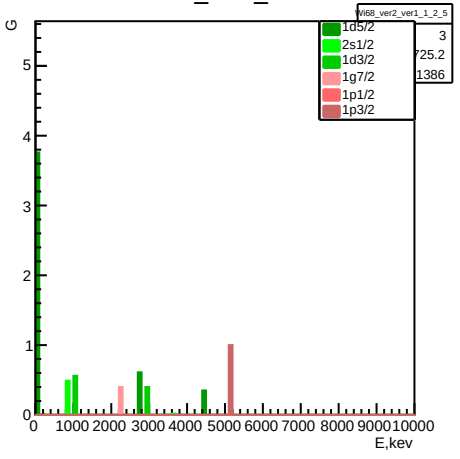
penalty: 0.0779575

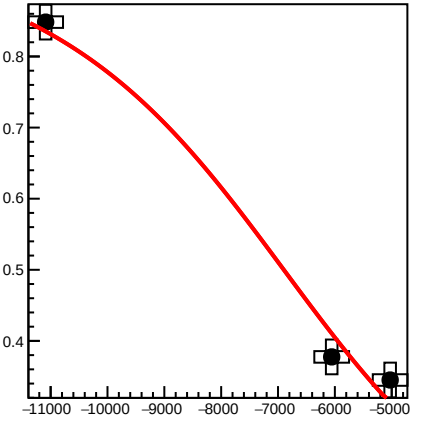
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

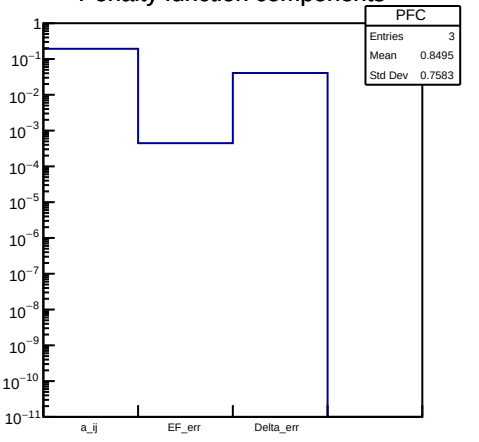
-11087.9 1d5/2 0.848333 0.876667

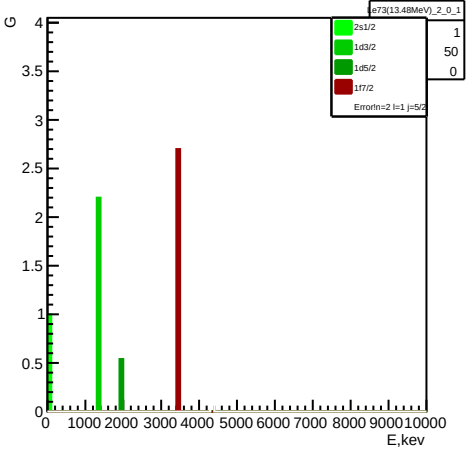
-6055.79 2s1/2 0.3775 0.755

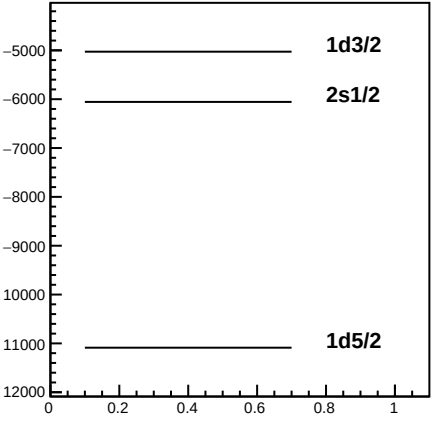
-5027.27 1d3/2 0.345 0.79











Experiment: Wi68_ver2_ver1 (10) Le73(13.48

proton transfer

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

E_F: -6898.17 ± 363.395 keV

Δ: 4633.64 ± 905.684 keV

penalty: 0.0779575

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

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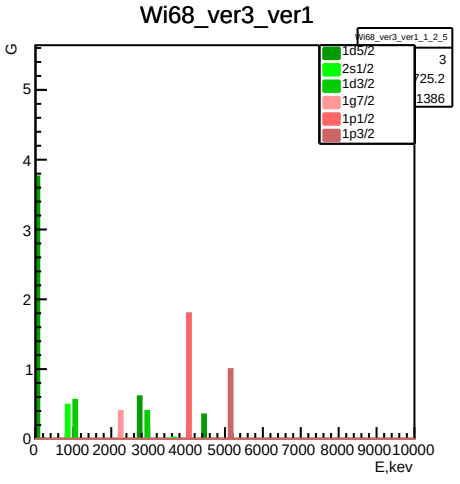
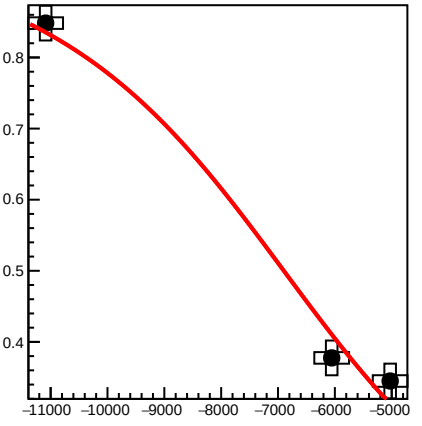
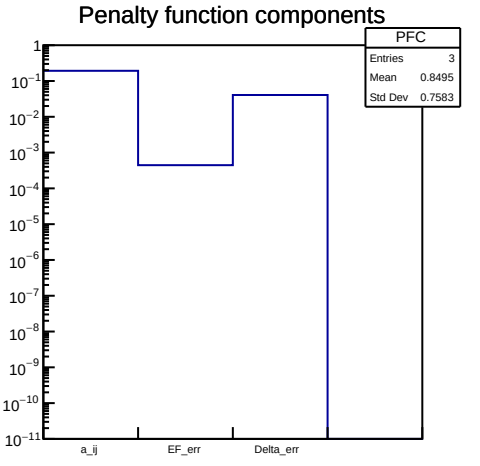
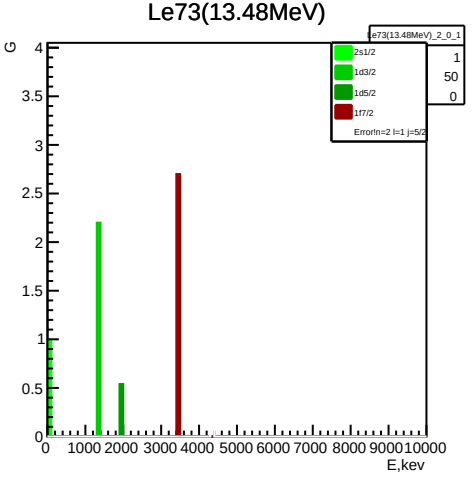
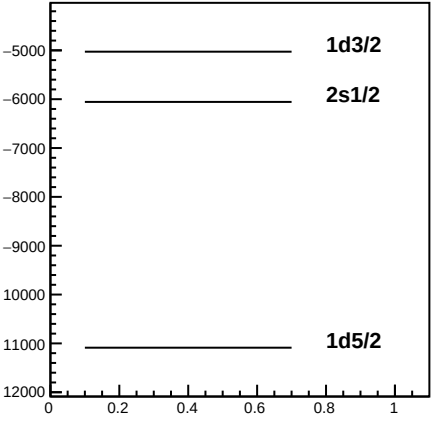
-5027.27 1d3/2 0.345 0.79











Experiment: Wi68_ver3_ver1 (10) Le73(13.48

proton transfer

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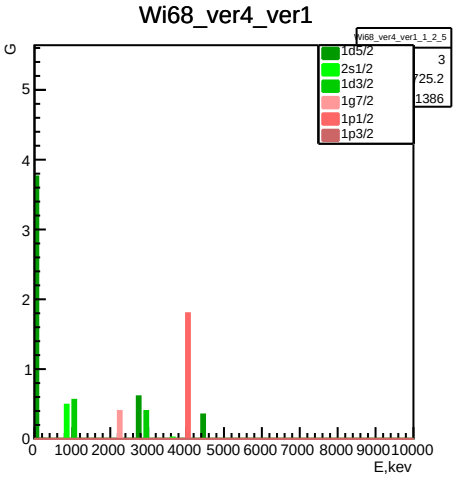

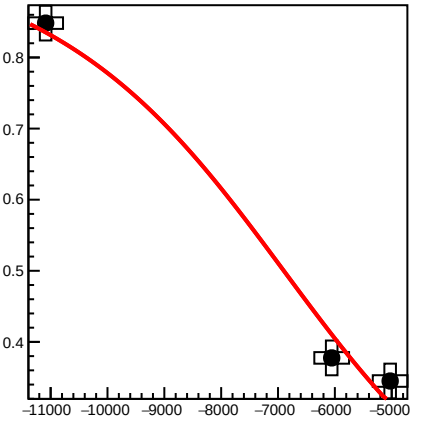

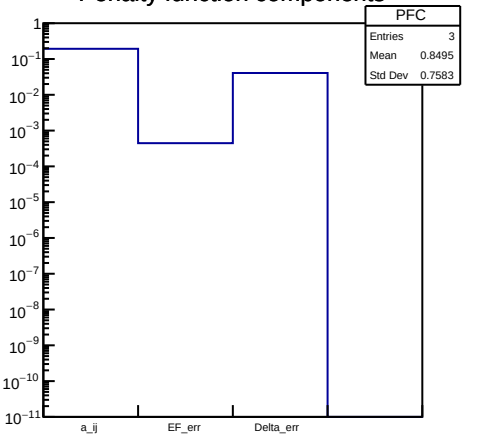

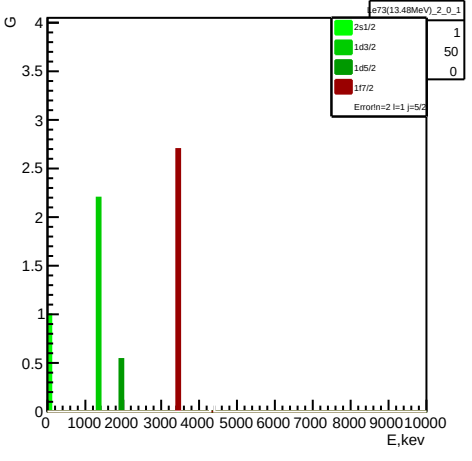

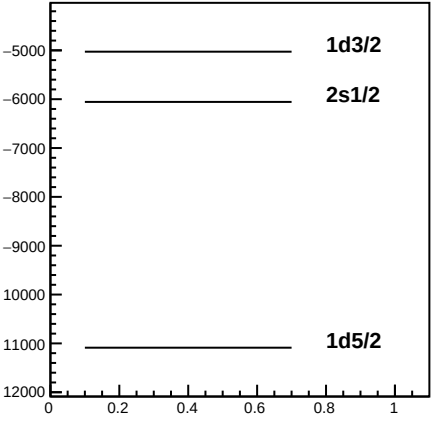

Experiment: Wi68_ver4_ver1 (10) Le73(13.48

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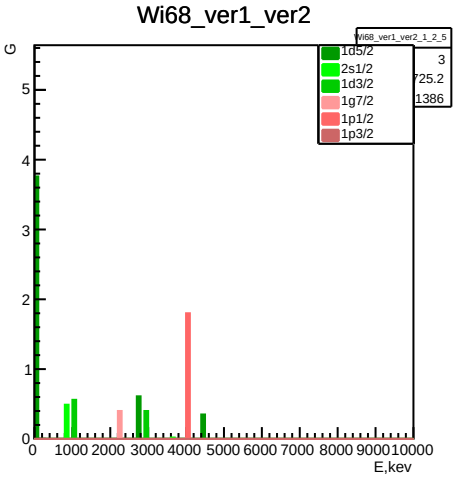

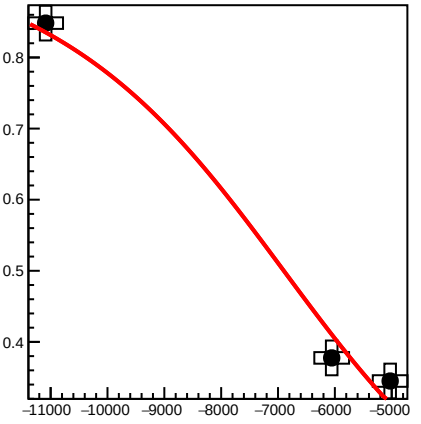

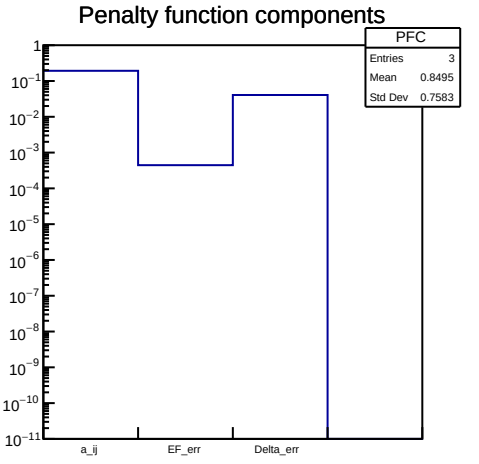

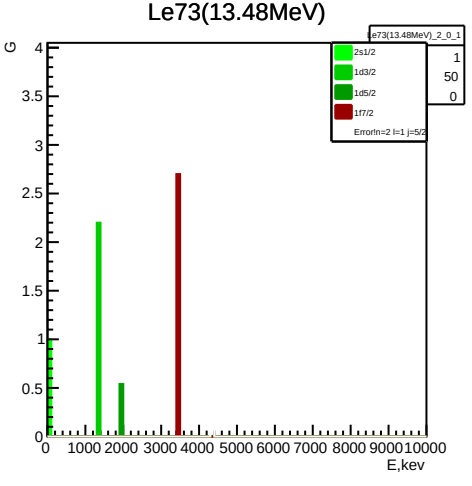

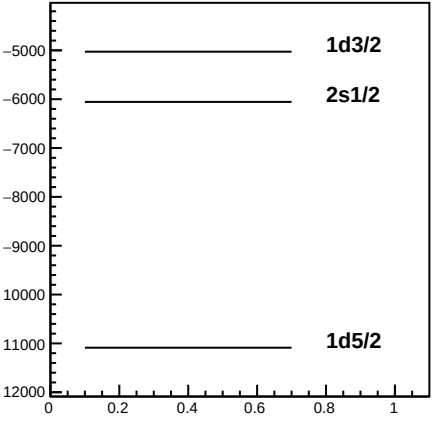

Experiment: Wi68_ver1_ver2 (10) Le73(13.48

proton transfer

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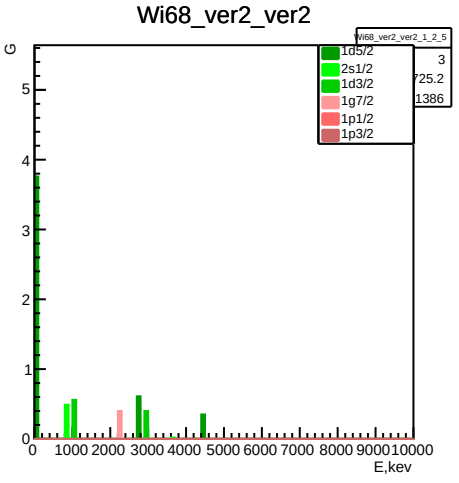
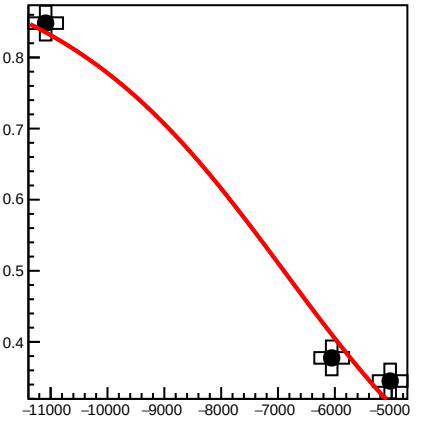
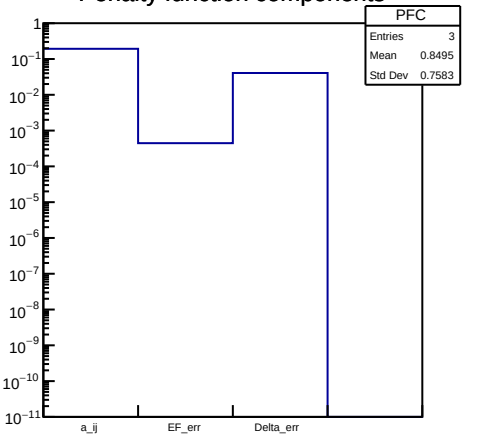
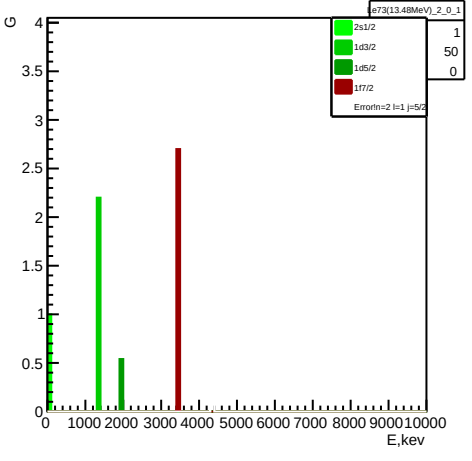
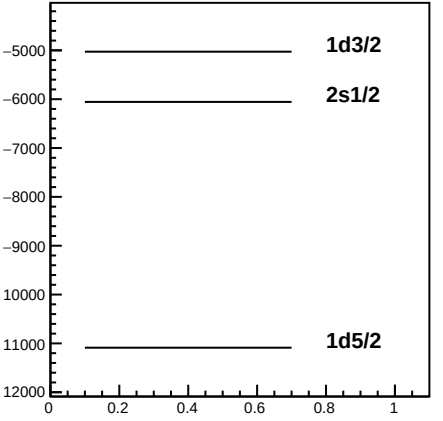
-5027.27 1d3/2 0.345 0.79











Experiment: Wi68_ver2_ver2 (10) Le73(13.48

proton transfer

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E_F: -6898.17 ± 363.395 keV

Δ: 4633.64 ± 905.684 keV

penalty: 0.0779575

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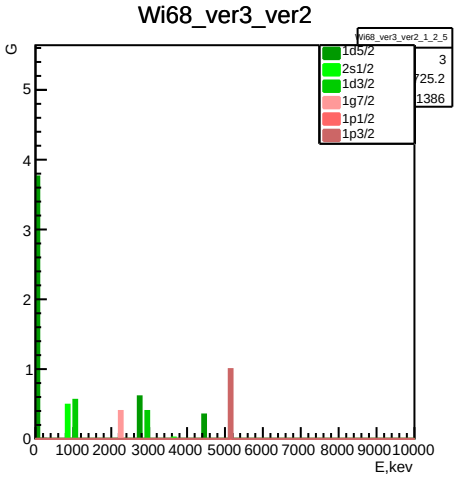

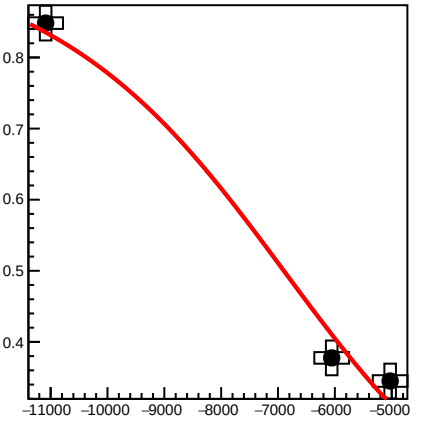

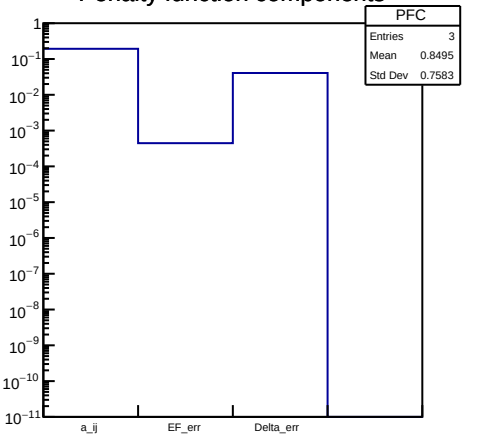

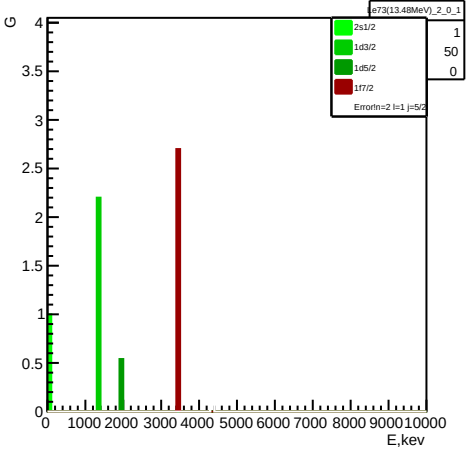

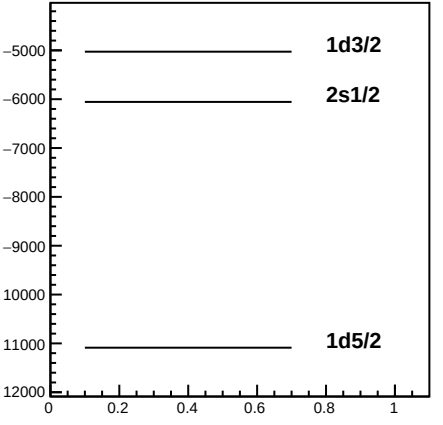

Experiment: Wi68_ver3_ver2 (10) Le73(13.48

proton transfer

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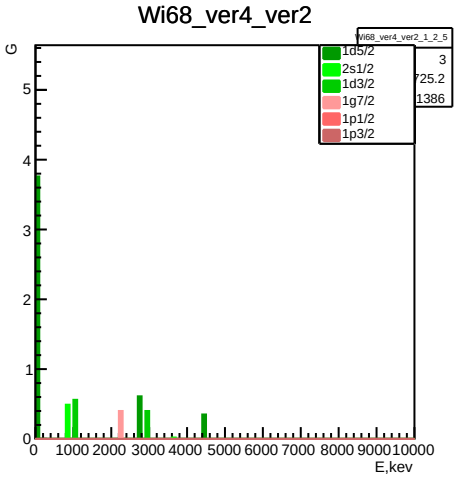

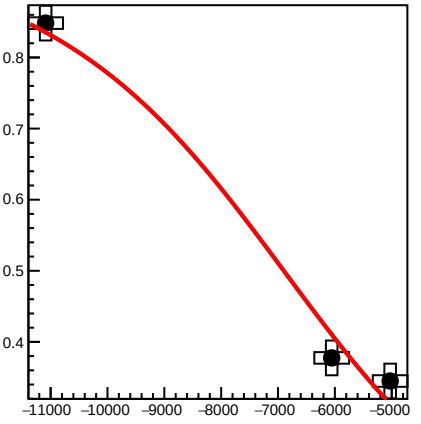

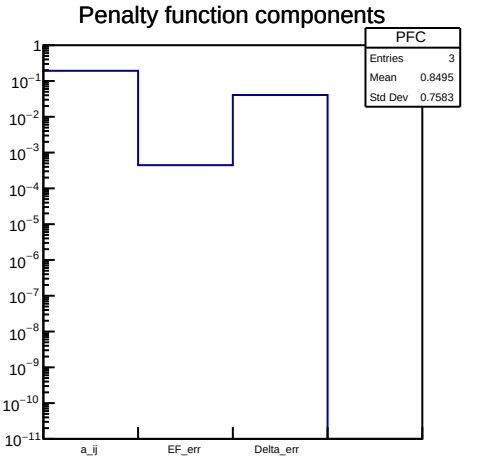

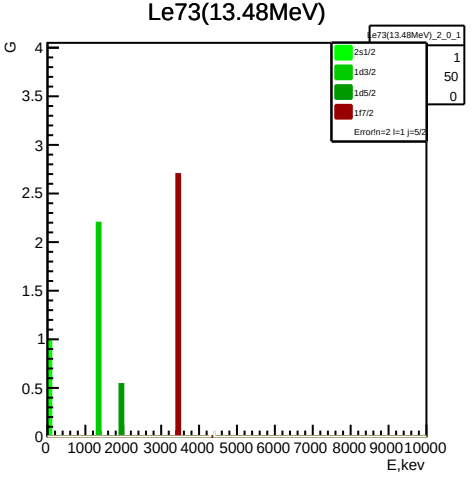

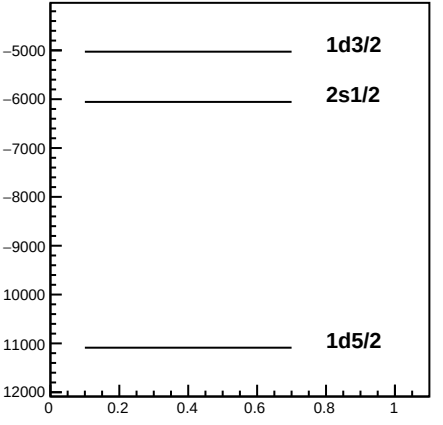

Experiment: Wi68_ver4_ver2 (10) Le73(13.48

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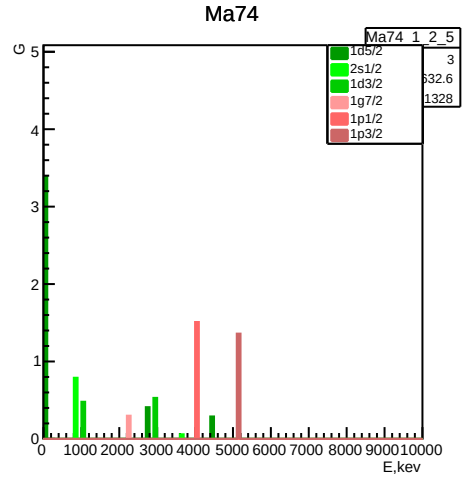
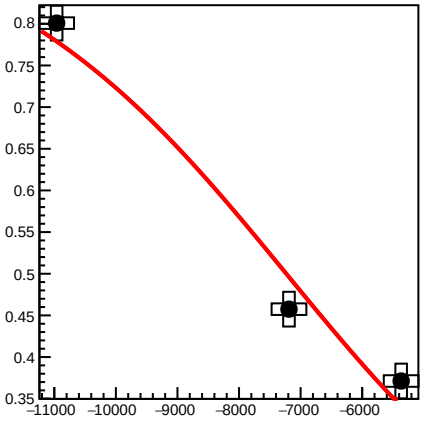
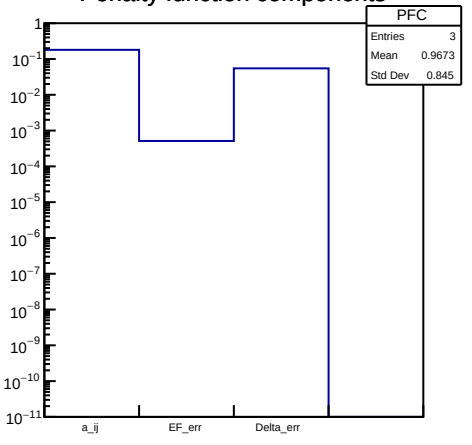
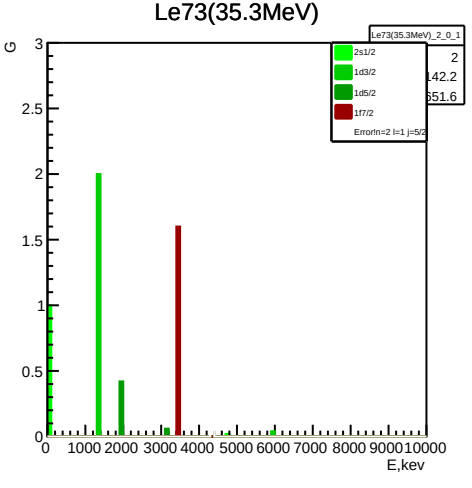
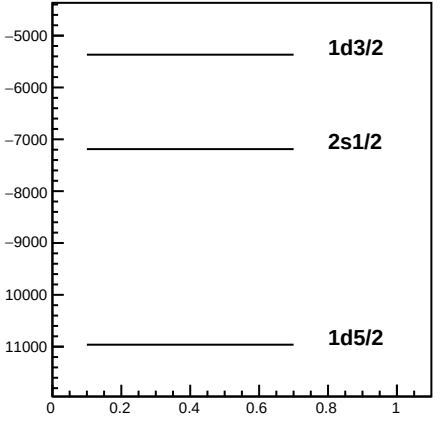










Experiment: Ma74 (10) Le73(35.3MeV) (8)

proton transfer

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

E_F: -7232.48 ± 418.548 keV

Δ: 5549.58 ± 1220.55 keV

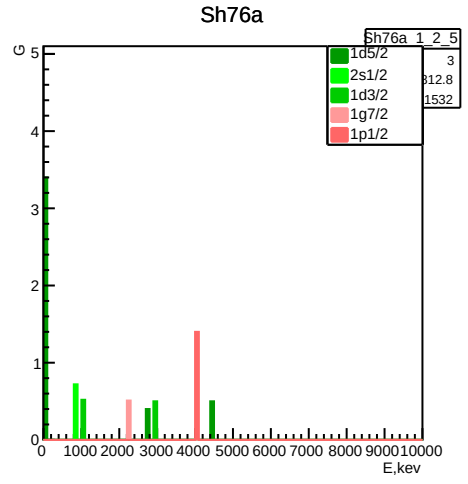
penalty: 0.078524

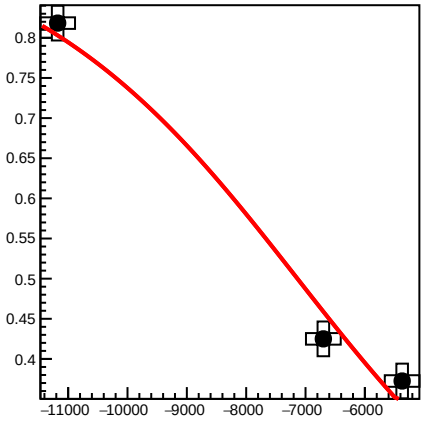
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

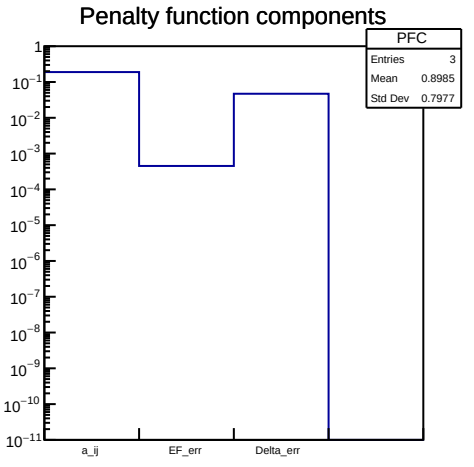
-10961.8 1d5/2 0.800833 0.761667

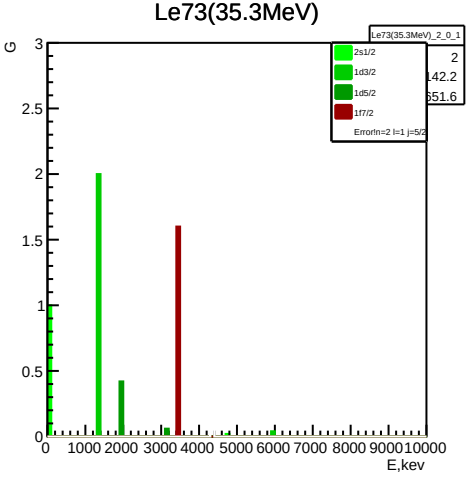
-7188.92 2s1/2 0.4575 0.935

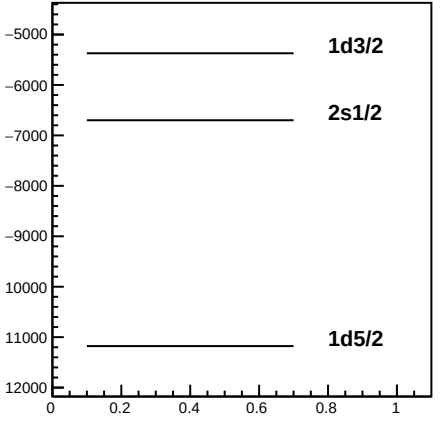
-5367.25 1d3/2 0.37125 0.7625











Experiment: Sh76a (8) Le73(35.3MeV) (8)

proton transfer

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

E_F: -7136.19 ± 368.427 keV

Δ: 5302.89 ± 1046.39 keV

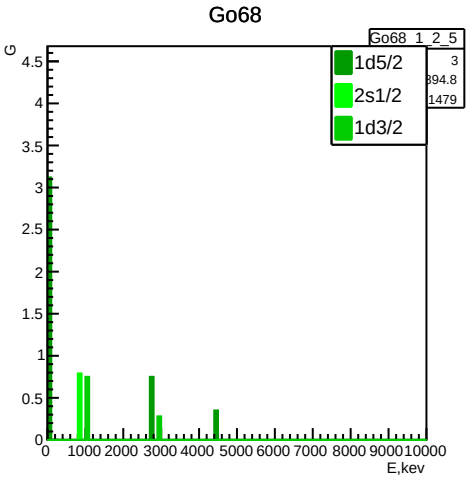
penalty: 0.0789535

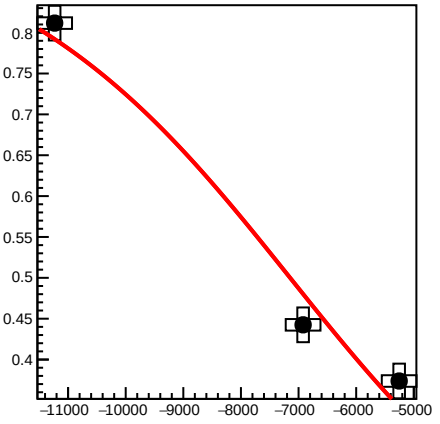
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

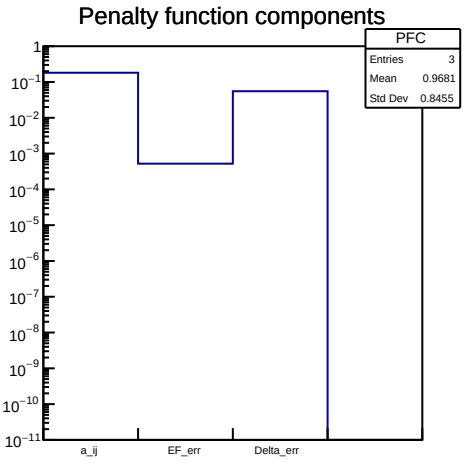
-11177.2 1d5/2 0.818333 0.796667

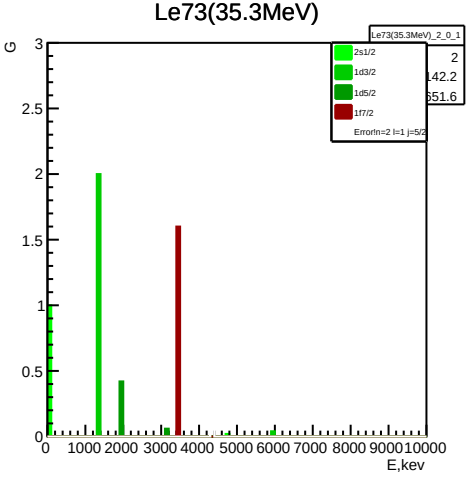
-6699.62 2s1/2 0.425 0.87

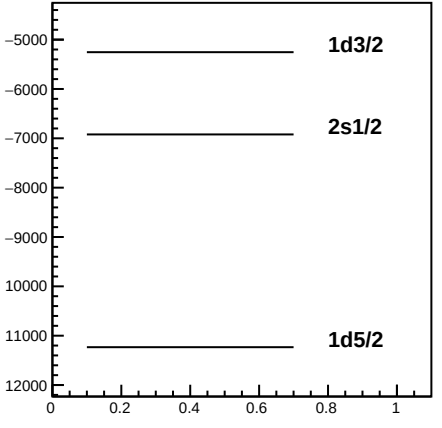
-5371.59 1d3/2 0.3725 0.765











Experiment: Go68 (6) Le73(35.3MeV) (8)

proton transfer

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

E_F: -7146.27 ± 426.907 keV

Δ: 5679.37 ± 1230.85 keV

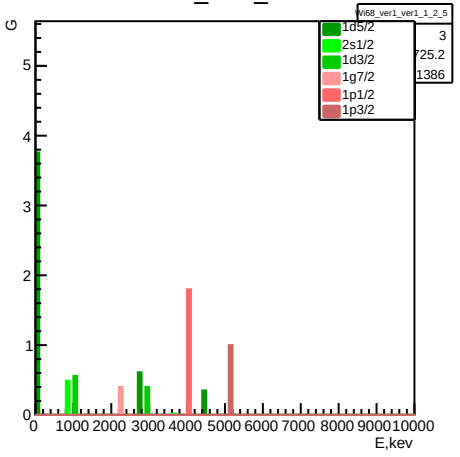
penalty: 0.0790519

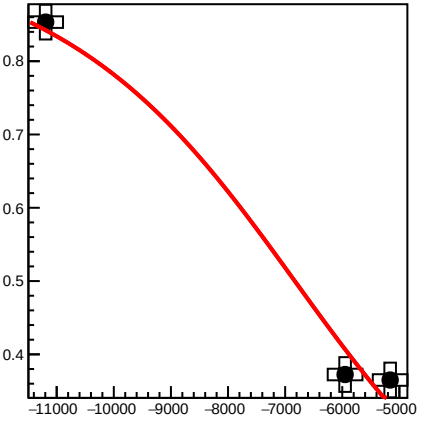
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

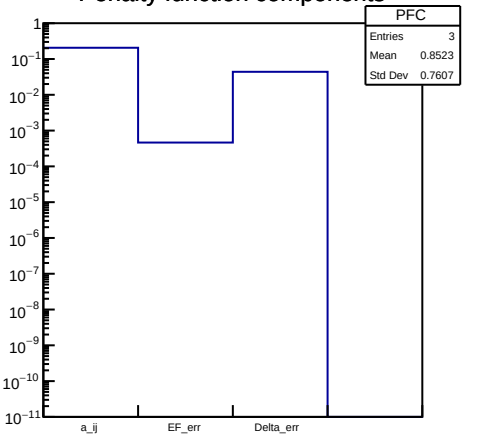
-11233.2 1d5/2 0.811667 0.783333

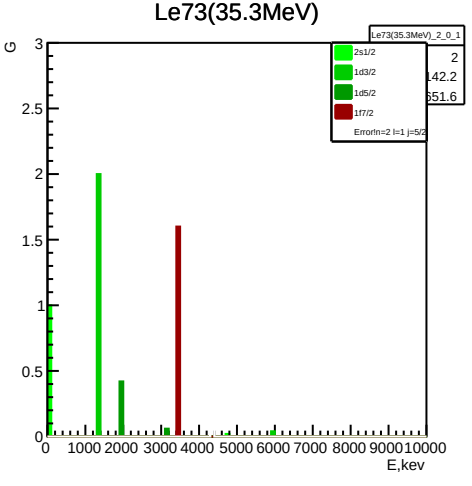
-6921.19 2s1/2 0.4425 0.905

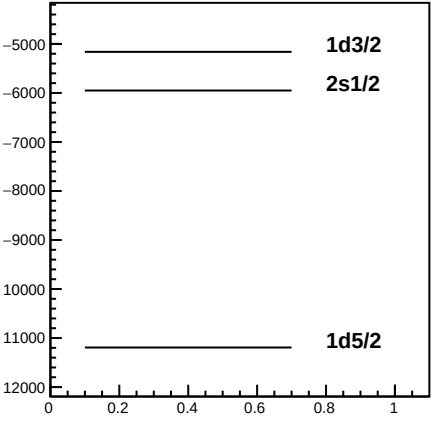
-5254.15 1d3/2 0.37375 0.7675











Experiment: Wi68_ver1_ver1 (10) Le73(35.3M

proton transfer

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

E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

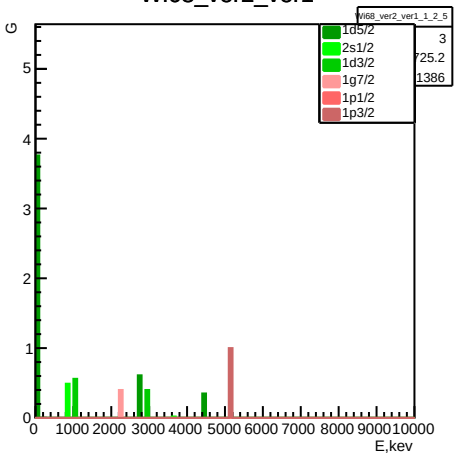
penalty: 0.0834864

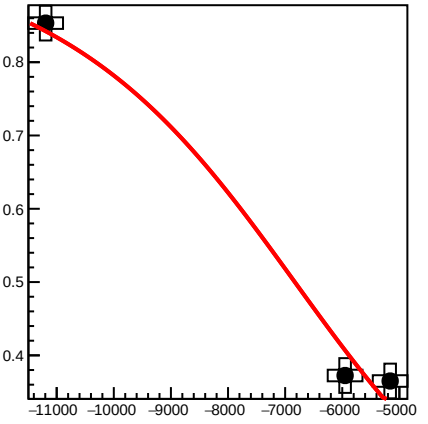
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

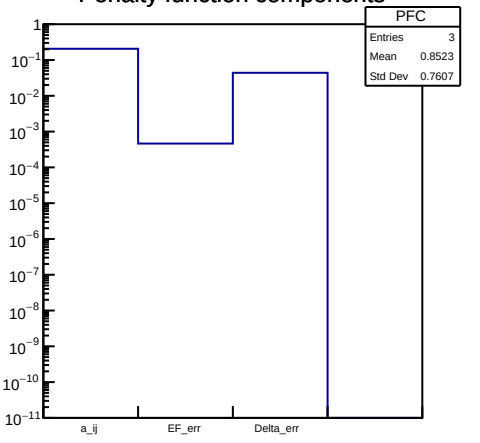
-11193.4 1d5/2 0.853333 0.866667

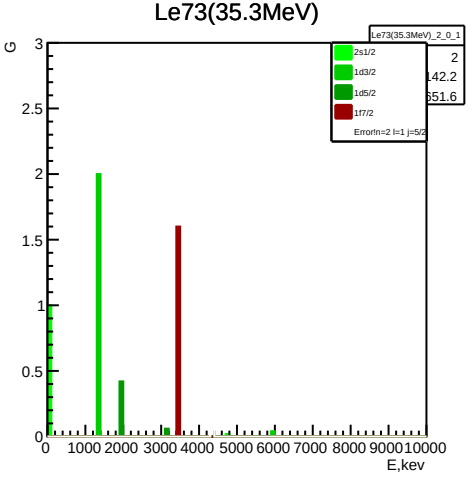
-5950.35 2s1/2 0.3725 0.765

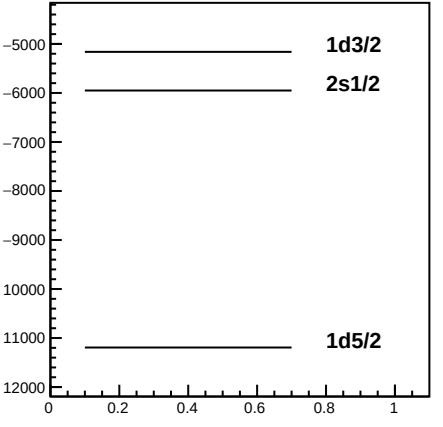
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver2_ver1 (10) Le73(35.3M

proton transfer

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

E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

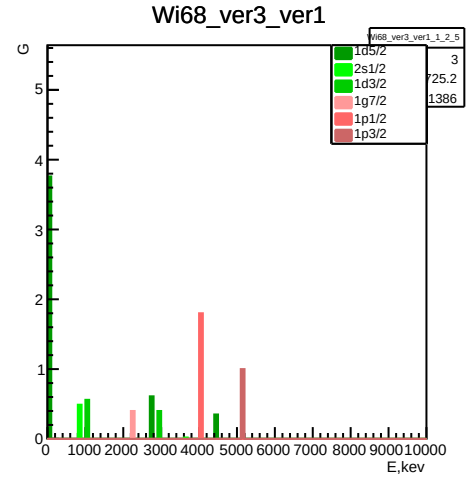
penalty: 0.0834864

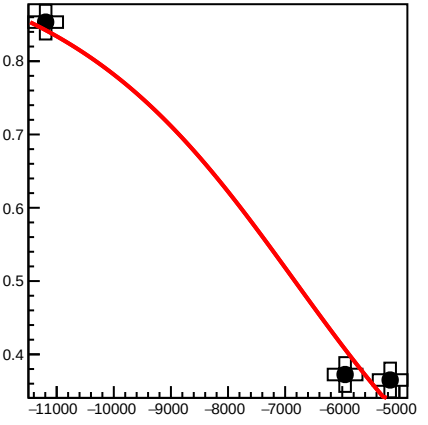
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

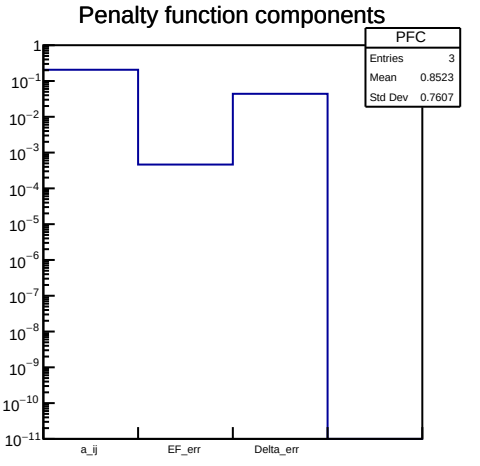
-11193.4 1d5/2 0.853333 0.866667

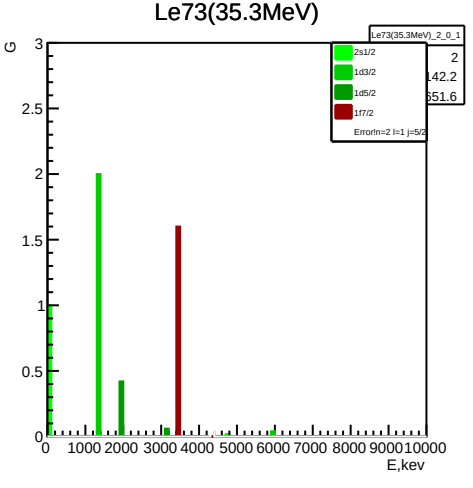
-5950.35 2s1/2 0.3725 0.765

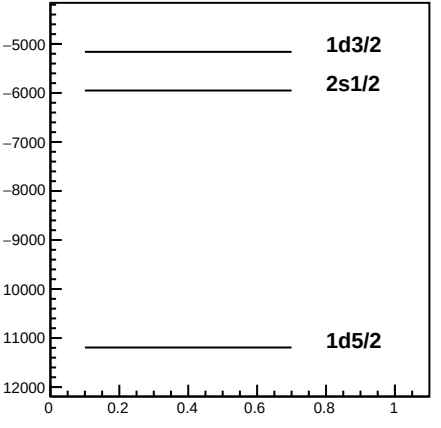
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver3_ver1 (10) Le73(35.3M

proton transfer

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

E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

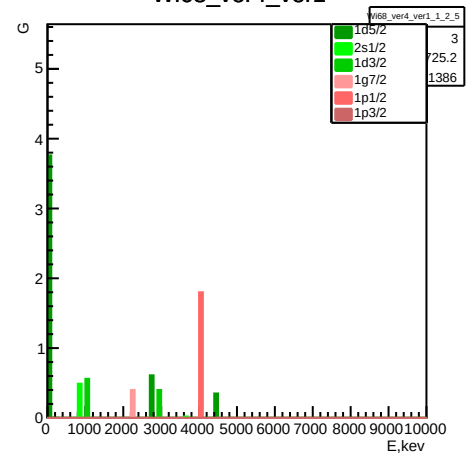
penalty: 0.0834864

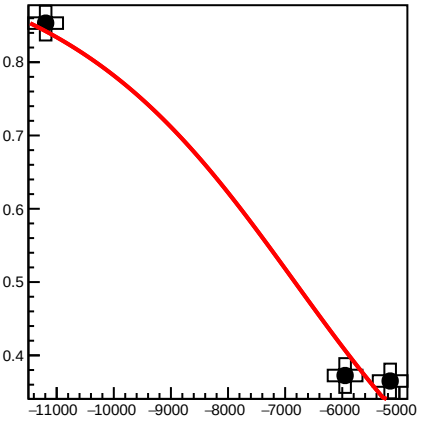
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

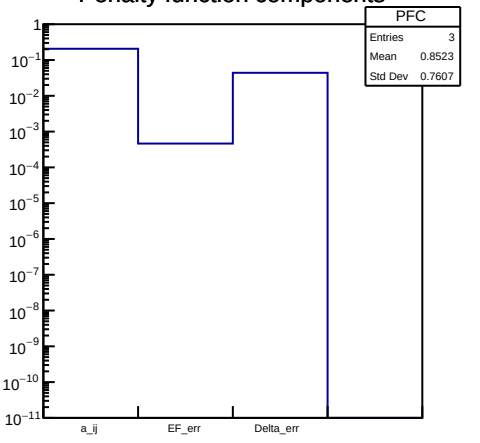
-11193.4 1d5/2 0.853333 0.866667

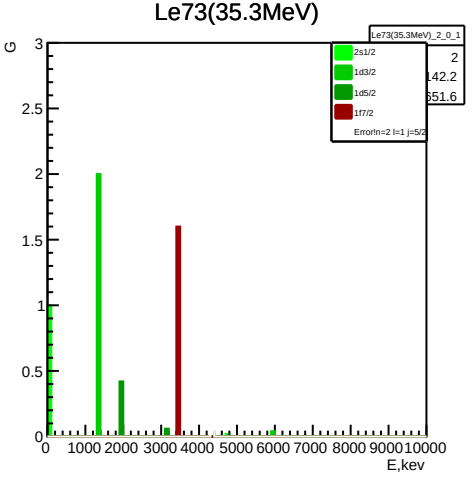
-5950.35 2s1/2 0.3725 0.765

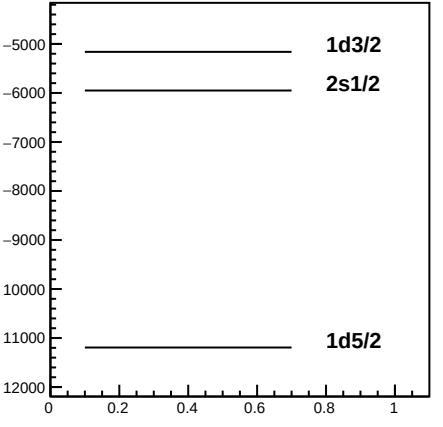
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver4_ver1 (10) Le73(35.3M

proton transfer

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

E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

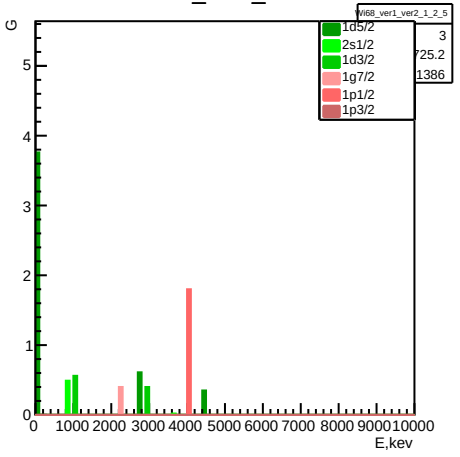
penalty: 0.0834864

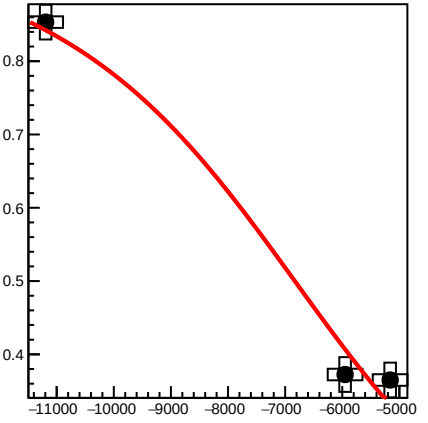
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

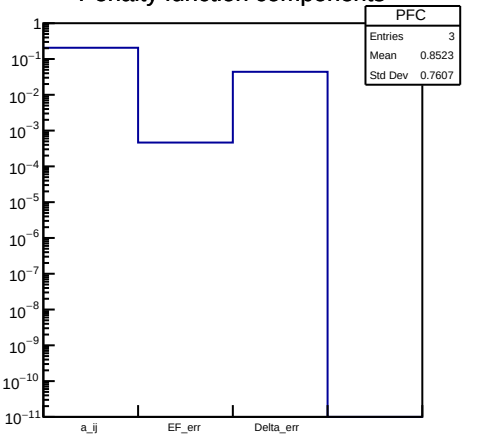
-11193.4 1d5/2 0.853333 0.866667

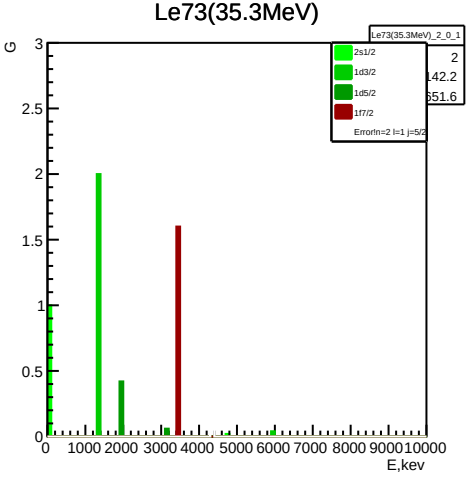
-5950.35 2s1/2 0.3725 0.765

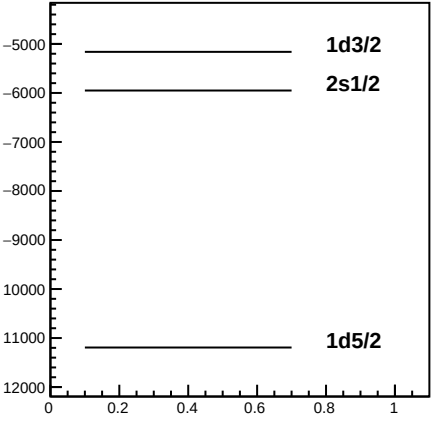
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver1_ver2 (10) Le73(35.3M

proton transfer

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

E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

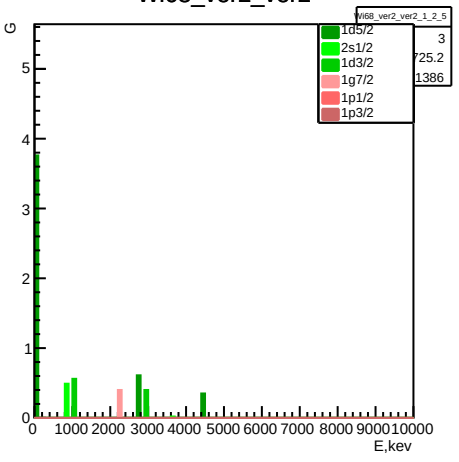
penalty: 0.0834864

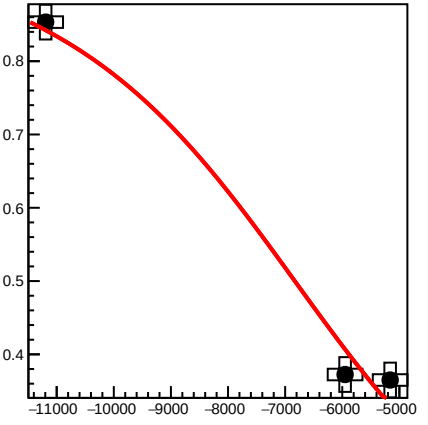
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

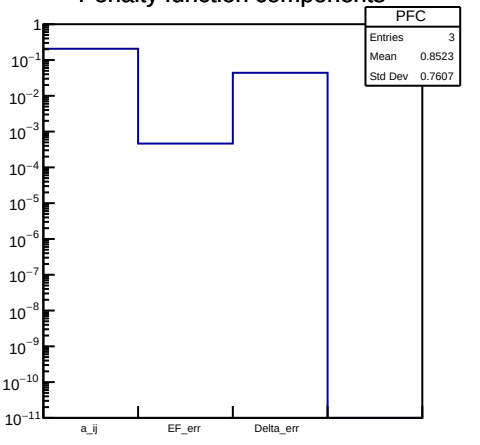
-11193.4 1d5/2 0.853333 0.866667

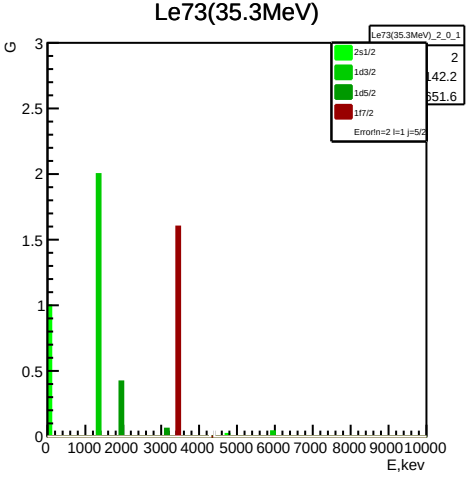
-5950.35 2s1/2 0.3725 0.765

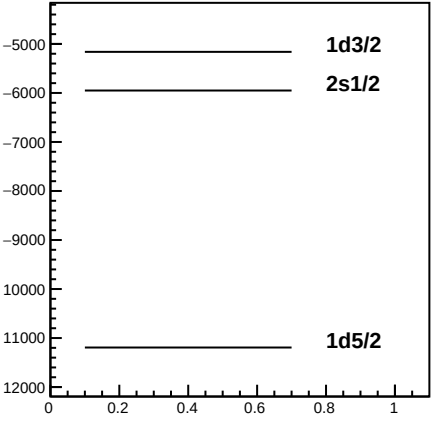
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver2_ver2 (10) Le73(35.3M

proton transfer

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

E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

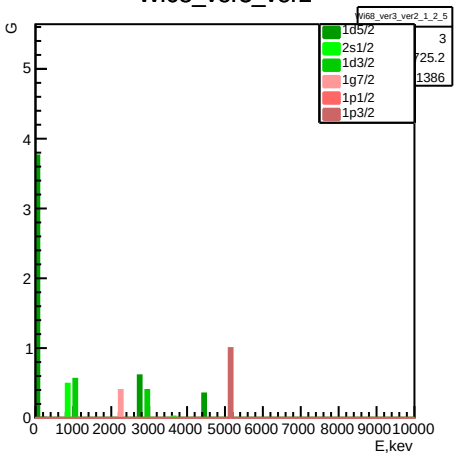
penalty: 0.0834864

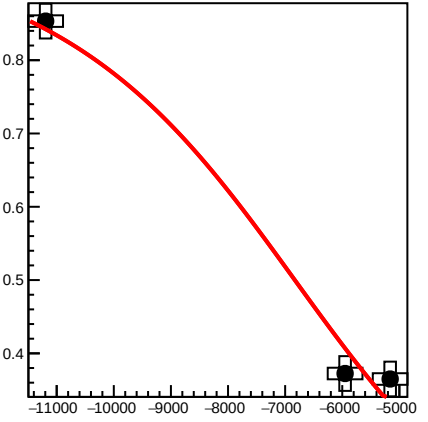
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

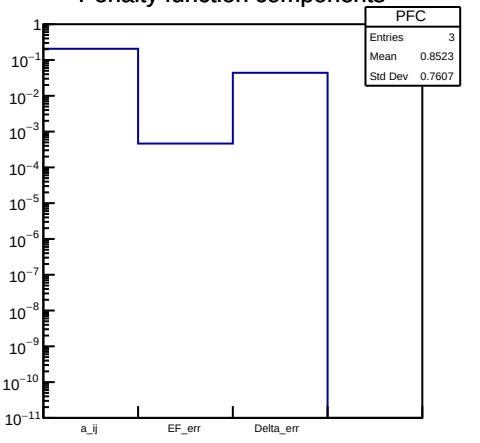
-11193.4 1d5/2 0.853333 0.866667

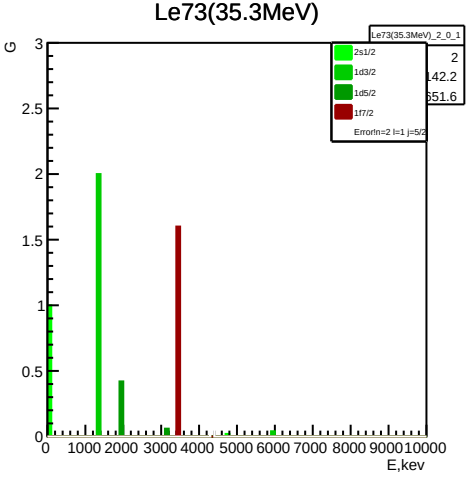
-5950.35 2s1/2 0.3725 0.765

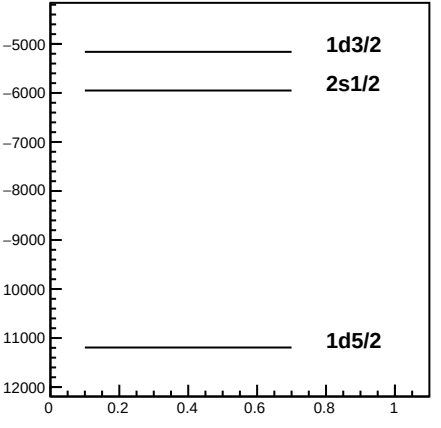
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver3_ver2 (10) Le73(35.3M

proton transfer

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E_F: -6830.68 ± 378.097 keV

Δ: 4644.9 ± 977.769 keV

penalty: 0.0834864

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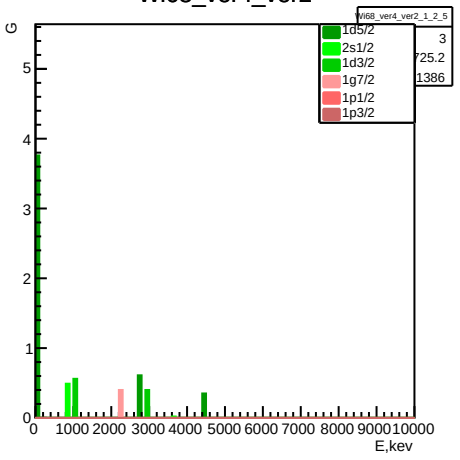
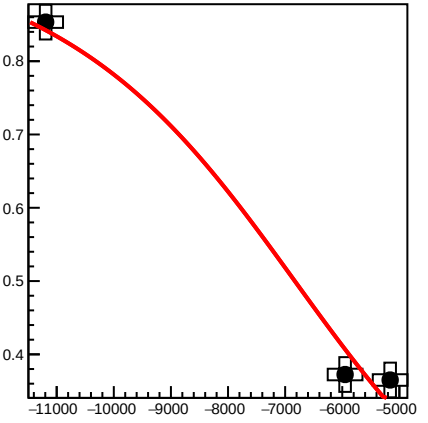
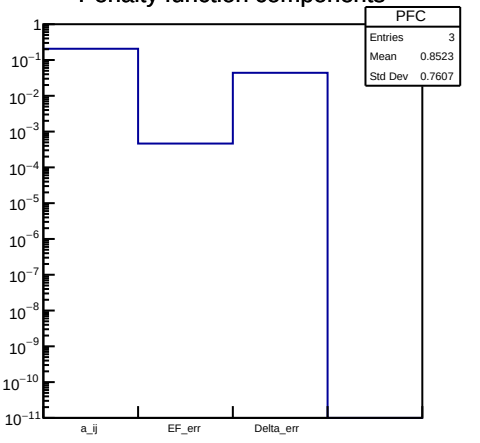
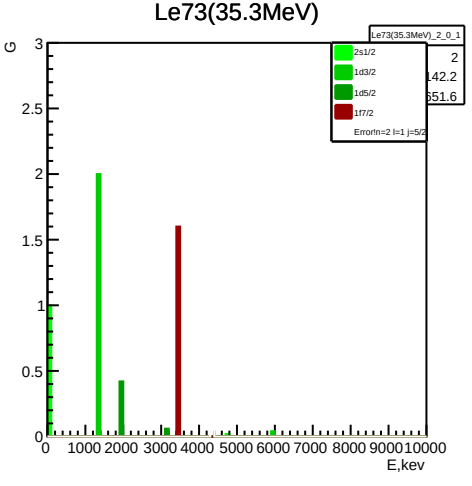
-5950.35 2s1/2 0.3725 0.765

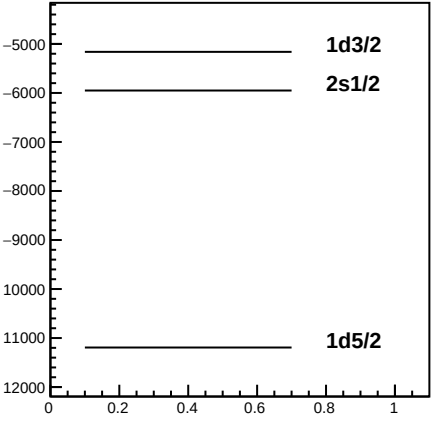
-5161.45 1d3/2 0.365 0.75











Experiment: Wi68_ver4_ver2 (10) Le73(35.3M

proton transfer

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Δ: 4644.9 ± 977.769 keV

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-5950.35 2s1/2 0.3725 0.765

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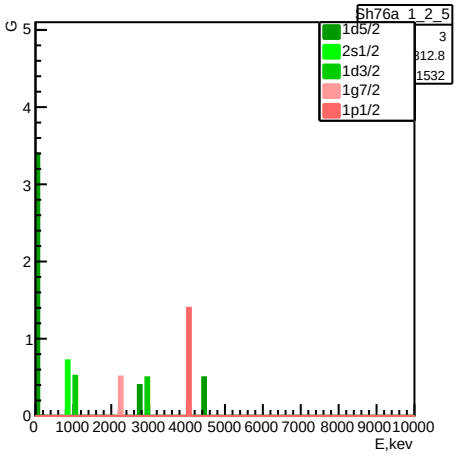
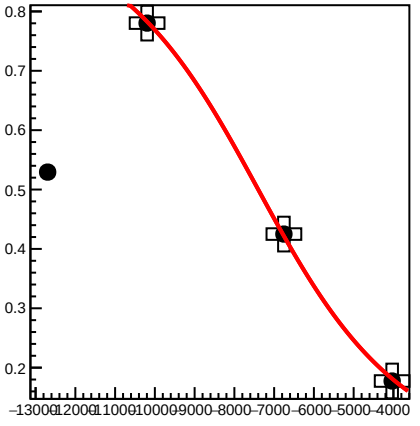
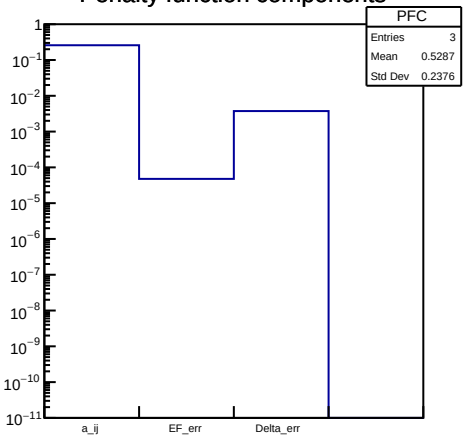
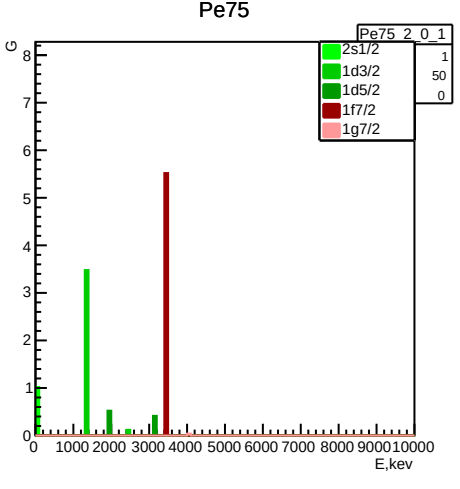
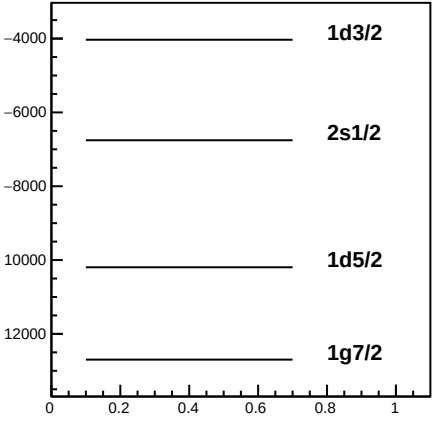










Experiment: Sh76a (8) Pe75 (7)

proton transfer

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

E_F: -7400.33 ± 38.941 keV

Δ: 4074.12 ± 83.403 keV

penalty: 0.0873956

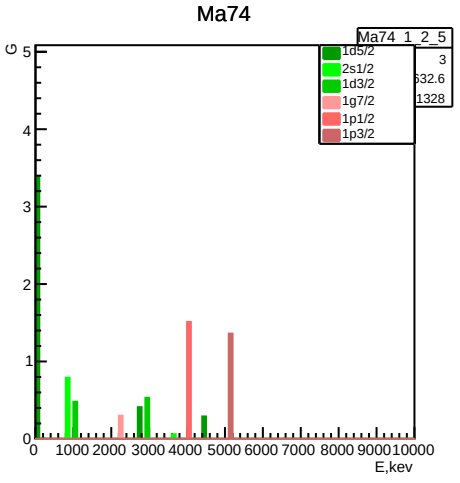
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

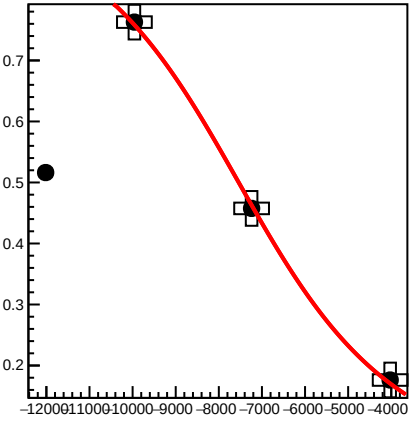
-10195.1 1d5/2 0.780333 0.872667

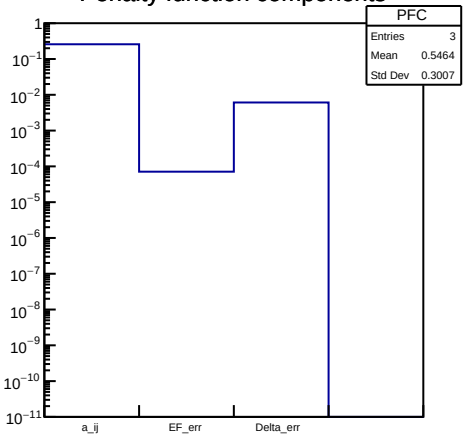
-6754.32 2s1/2 0.425 0.87

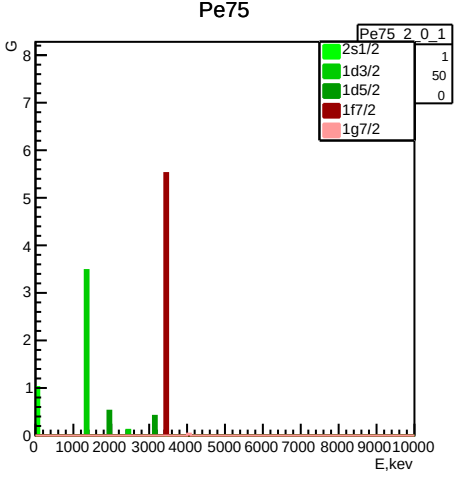
-4031.52 1d3/2 0.1775 1.155

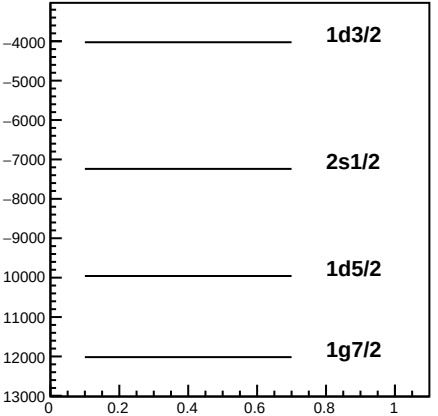
-12696.7 1g7/2 0.529375 0.06875











Experiment: Ma74 (10) Pe75 (7)

proton transfer

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

E_F: -7538.75 ± 58.0493 keV

Δ: 4010.77 ± 135.845 keV

penalty: 0.0880839

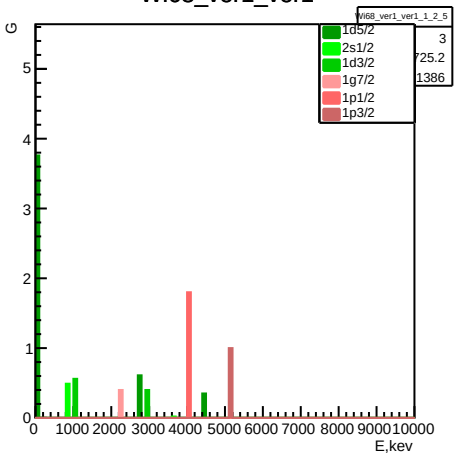
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

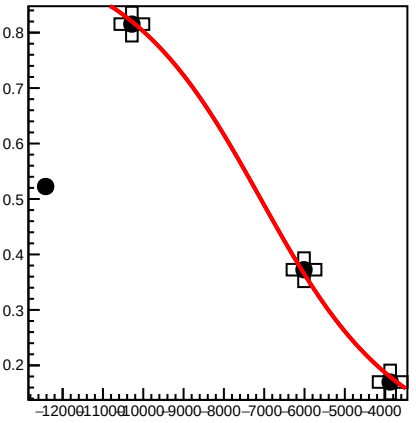
-9958.22 1d5/2 0.762833 0.837667

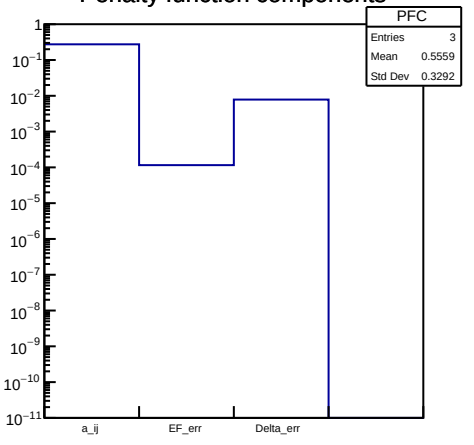
-7239.81 2s1/2 0.4575 0.935

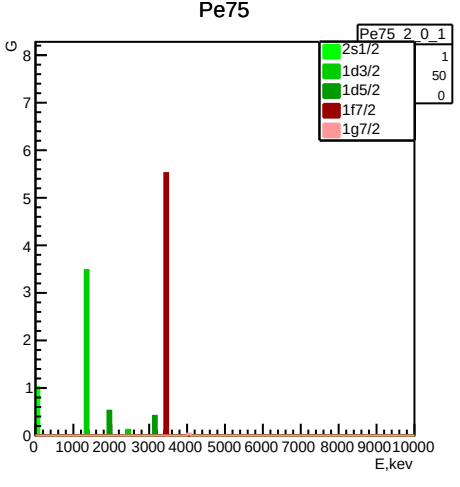
-4025.73 1d3/2 0.17625 1.1525

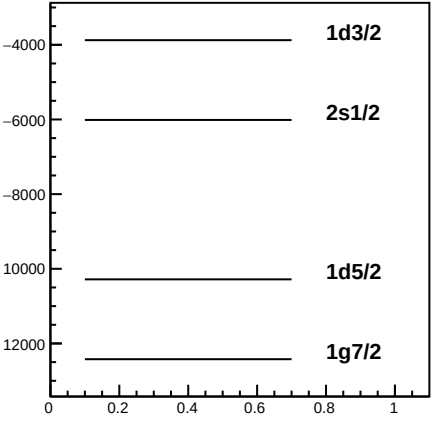
-12017.2 1g7/2 0.51625 0.0425











Experiment: Wi68_ver1_ver1 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

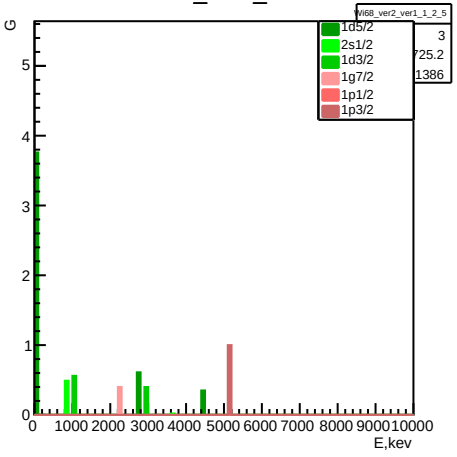
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

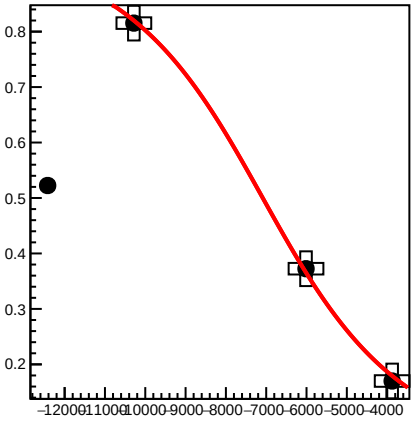
-10282.9 1d5/2 0.815333 0.942667

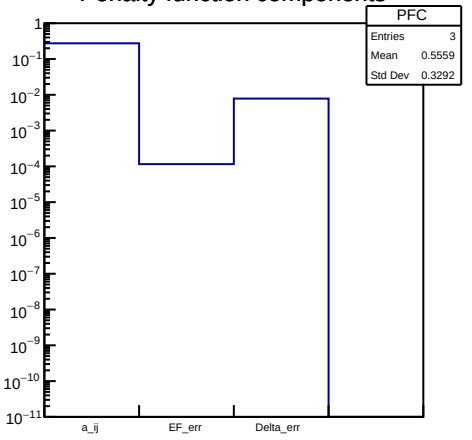
-6012.56 2s1/2 0.3725 0.765

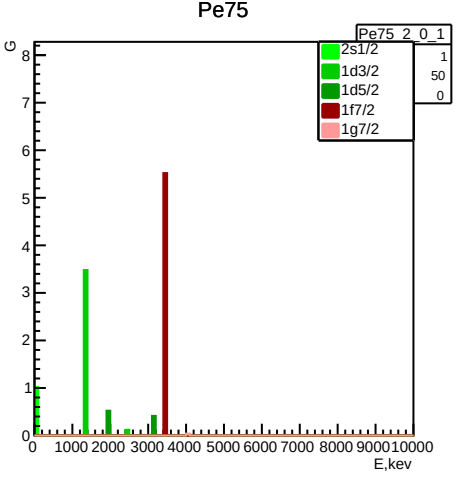
-3875.63 1d3/2 0.17 1.14

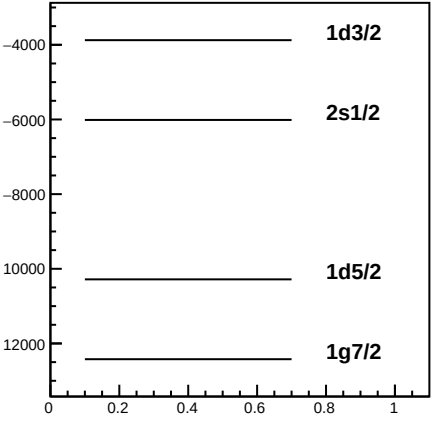
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver2_ver1 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

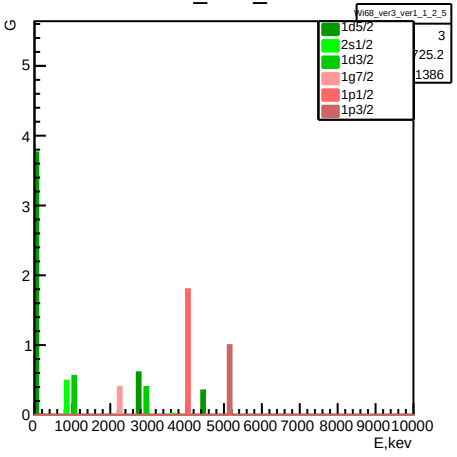
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

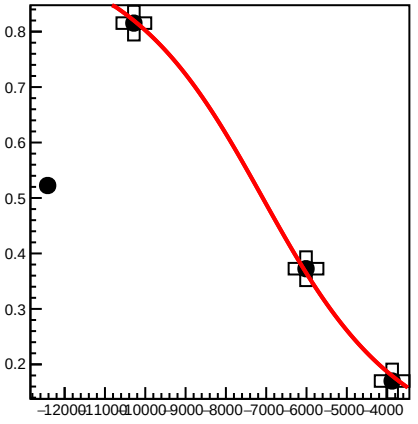
-10282.9 1d5/2 0.815333 0.942667

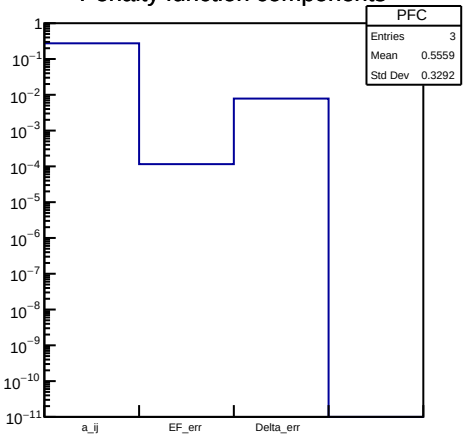
-6012.56 2s1/2 0.3725 0.765

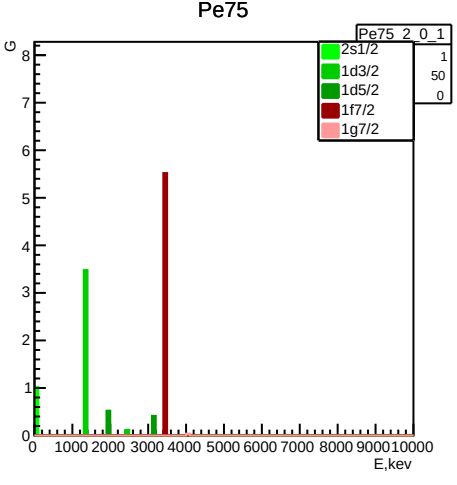
-3875.63 1d3/2 0.17 1.14

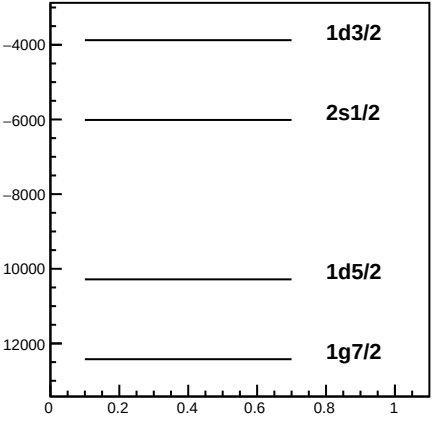
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver3_ver1 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

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

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-6012.56 2s1/2 0.3725 0.765

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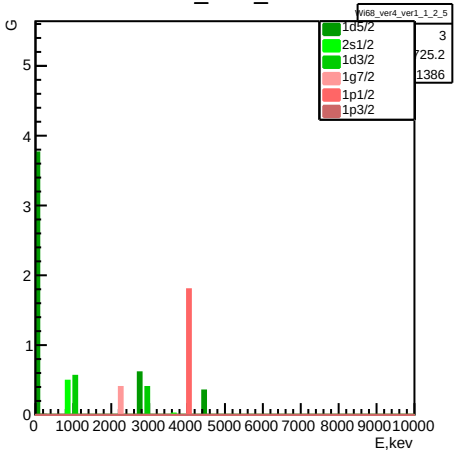
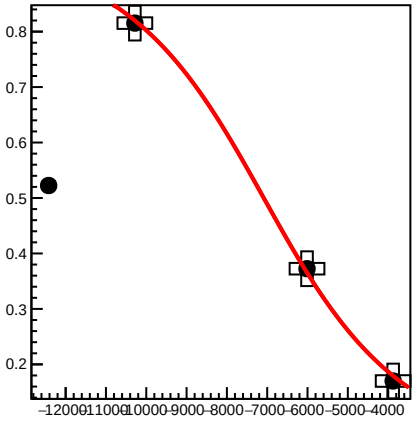
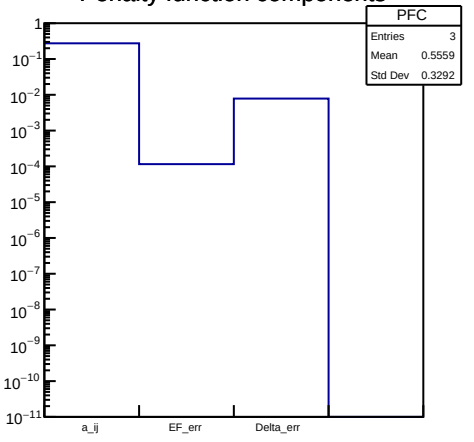
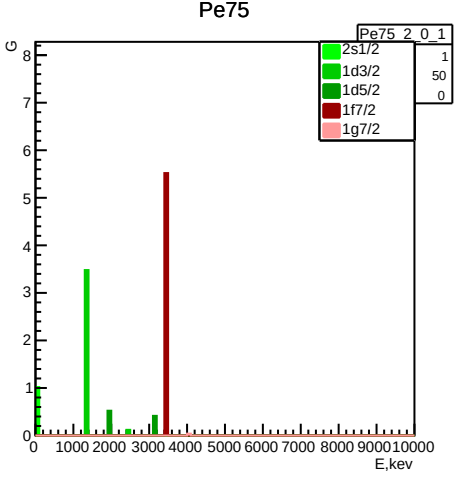
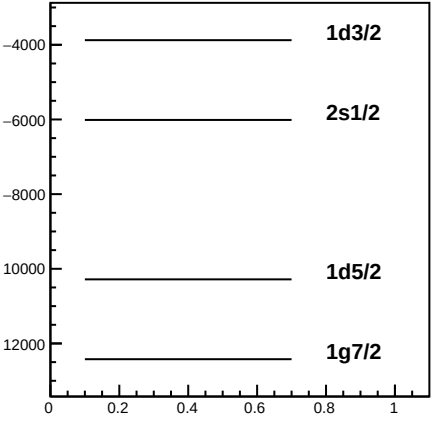
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver4_ver1 (10) Pe75 (7)

proton transfer

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Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

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

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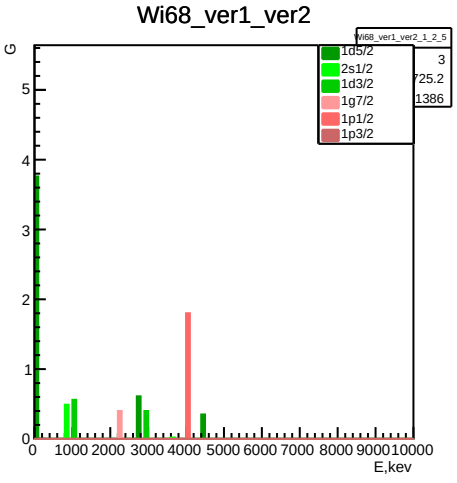
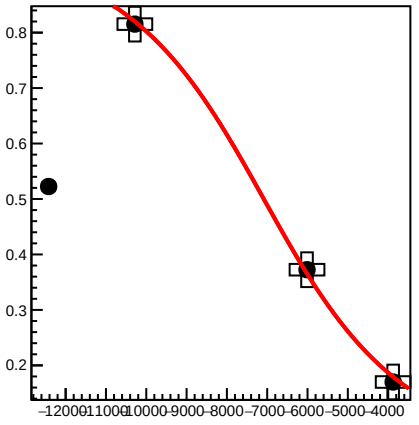
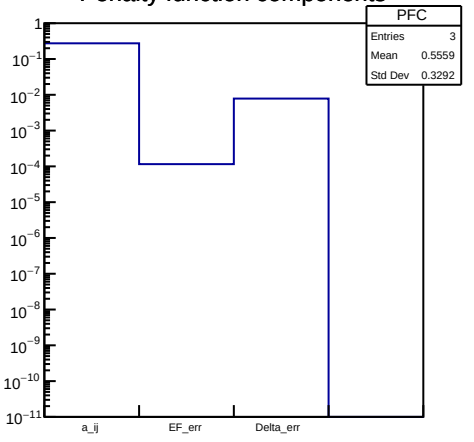
-6012.56 2s1/2 0.3725 0.765

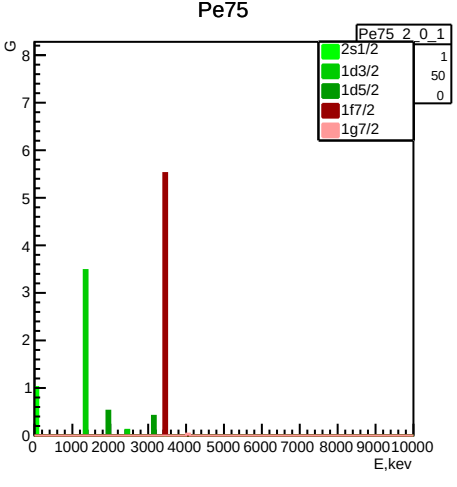
-3875.63 1d3/2 0.17 1.14

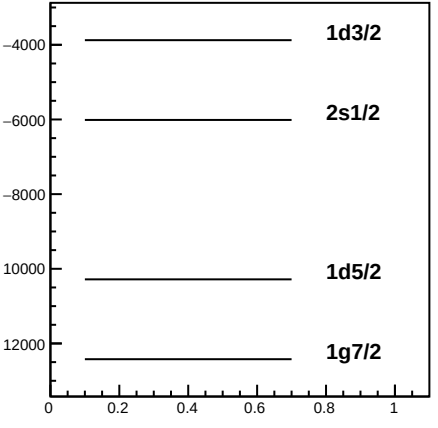
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver1_ver2 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

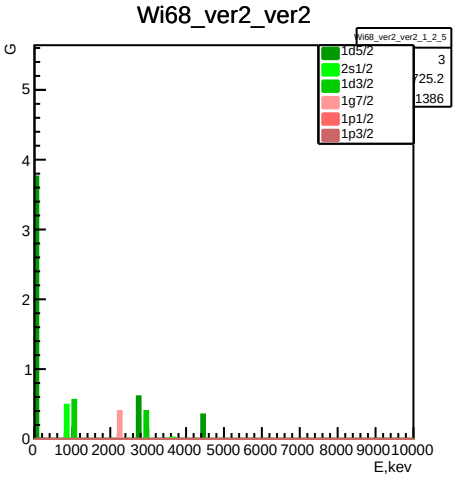
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

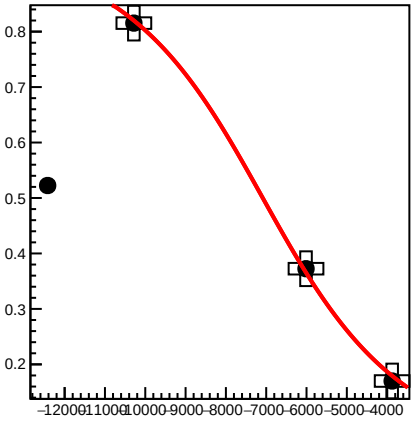
-10282.9 1d5/2 0.815333 0.942667

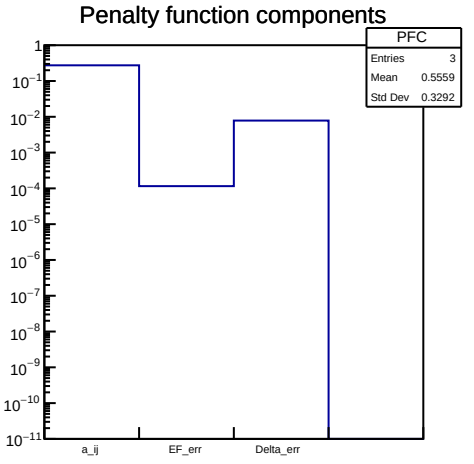
-6012.56 2s1/2 0.3725 0.765

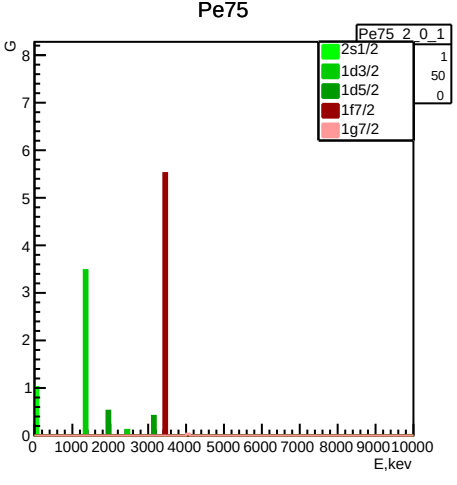
-3875.63 1d3/2 0.17 1.14

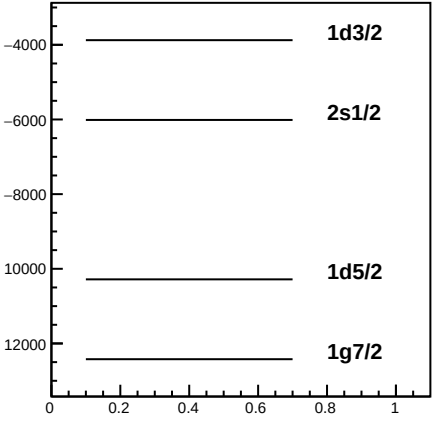
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver2_ver2 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

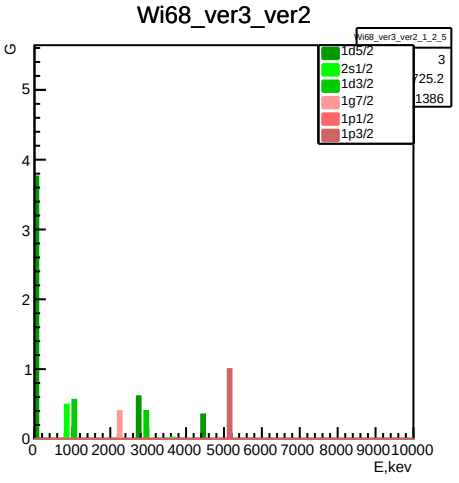
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

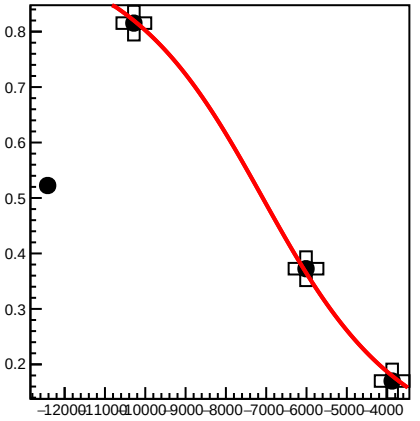
-10282.9 1d5/2 0.815333 0.942667

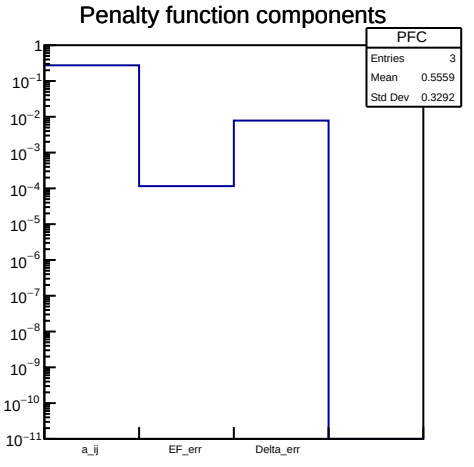
-6012.56 2s1/2 0.3725 0.765

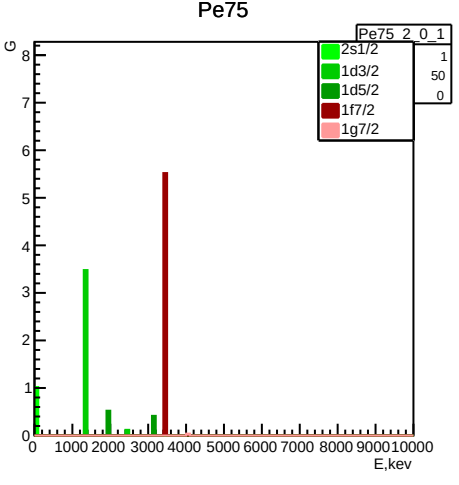
-3875.63 1d3/2 0.17 1.14

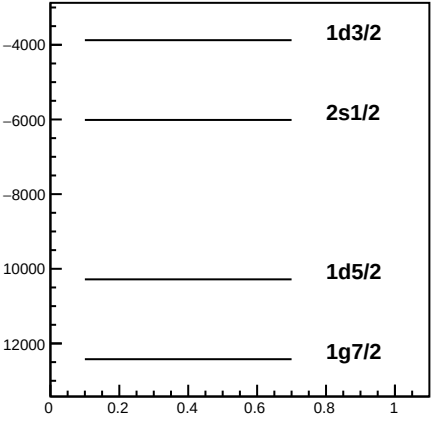
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver3_ver2 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

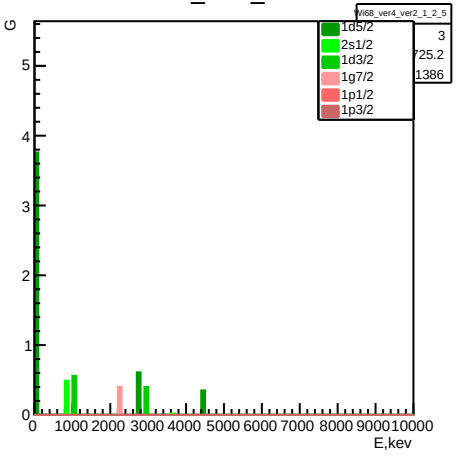
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

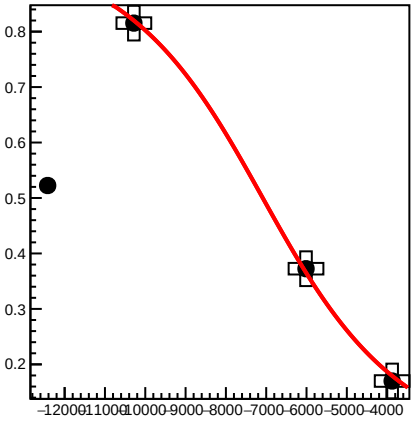
-10282.9 1d5/2 0.815333 0.942667

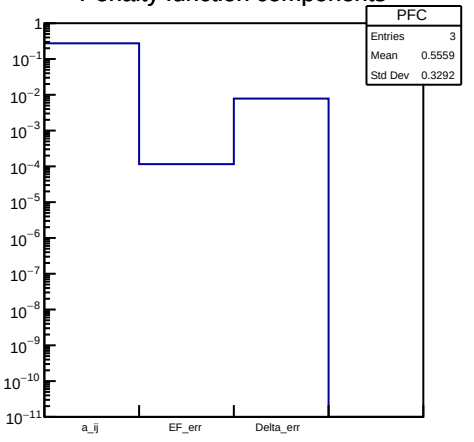
-6012.56 2s1/2 0.3725 0.765

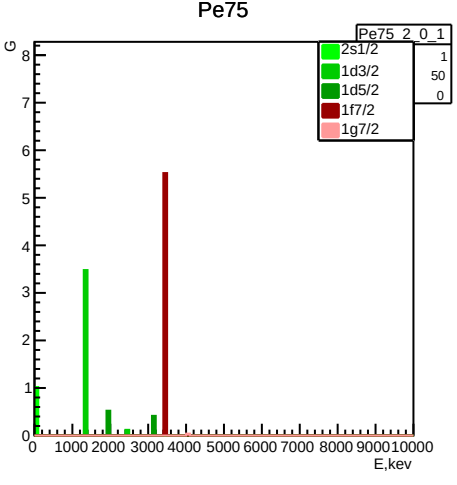
-3875.63 1d3/2 0.17 1.14

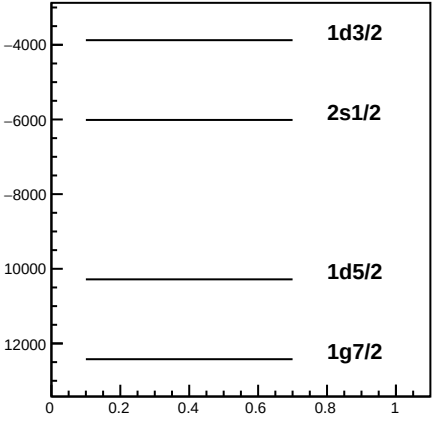
-12421.7 1g7/2 0.5225 0.055











Experiment: Wi68_ver4_ver2 (10) Pe75 (7)

proton transfer

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

E_F: -7085.4 ± 94.3012 keV

Δ: -3839.67 ± 174.628 keV

penalty: 0.0940956

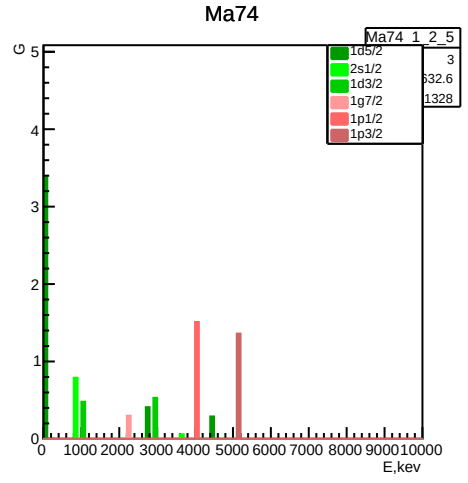
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

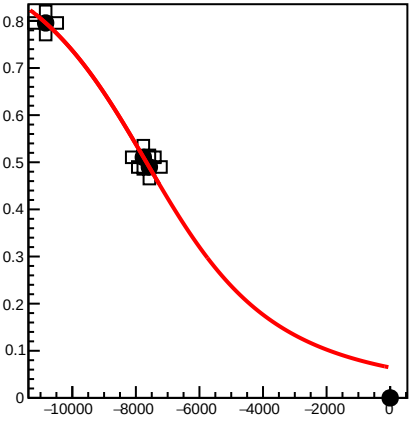
-10282.9 1d5/2 0.815333 0.942667

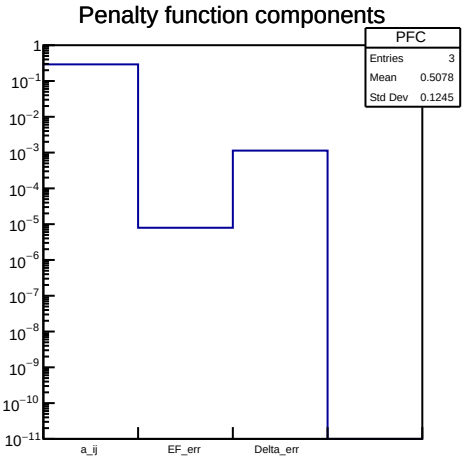
-6012.56 2s1/2 0.3725 0.765

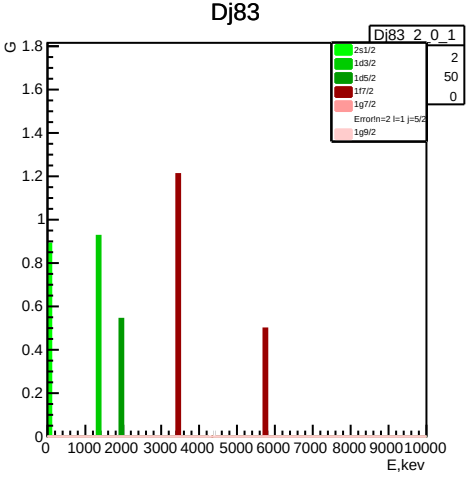
-3875.63 1d3/2 0.17 1.14

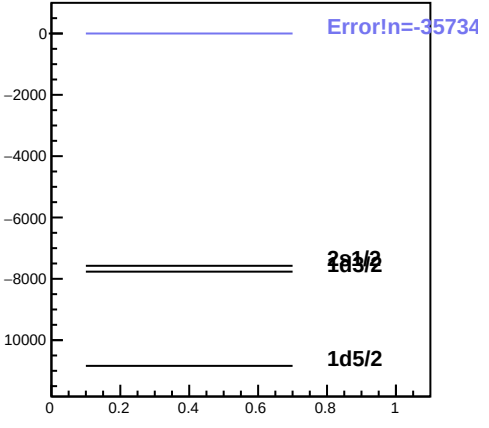
-12421.7 1g7/2 0.5225 0.055











Experiment: Ma74 (10) Dj83 (12)

proton transfer

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

E_F: -7668.38 ± 6.4807 keV

Δ: 4324.42 ± 25.3053 keV

penalty: 0.0974868

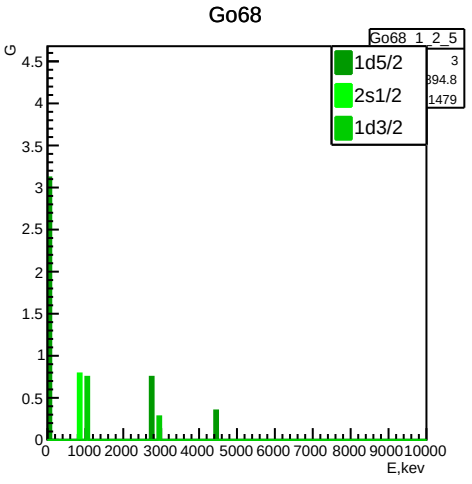
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

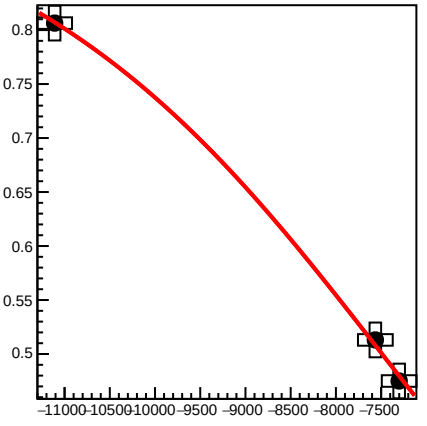
-10838.7 1d5/2 0.795592 0.77215

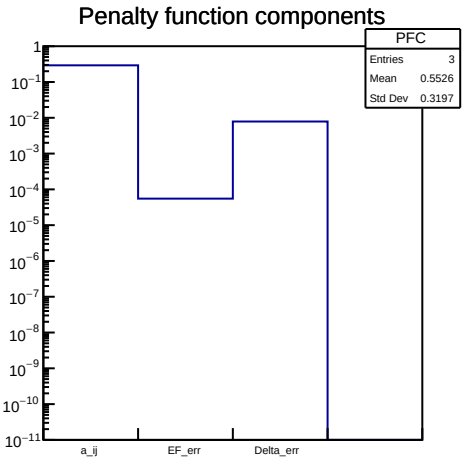
-7575.35 2s1/2 0.49 0.87

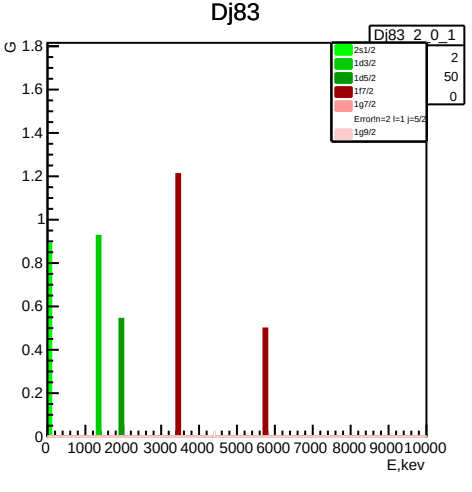
-7766.07 1d3/2 0.51055 0.4839

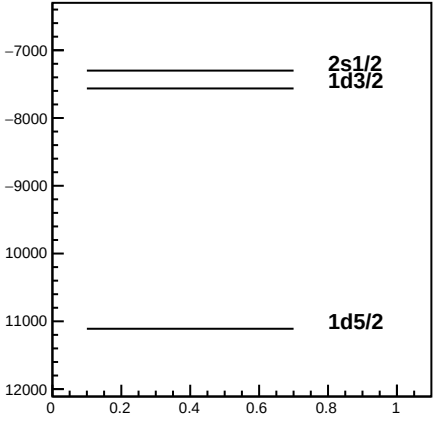
0 Error!n=-357341279 l=1072215411 j=0/2 0 1











Experiment: Go68 (6) Dj83 (12)

proton transfer

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

E_F: -7489.58 ± 45.029 keV

Δ: -4650.58 ± 175.285 keV

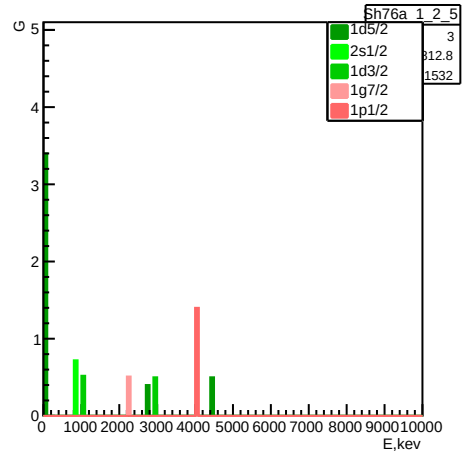
penalty: 0.100117

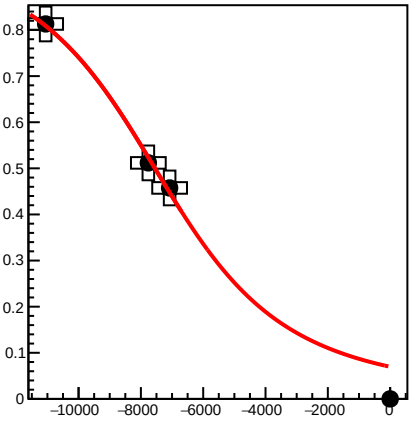
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

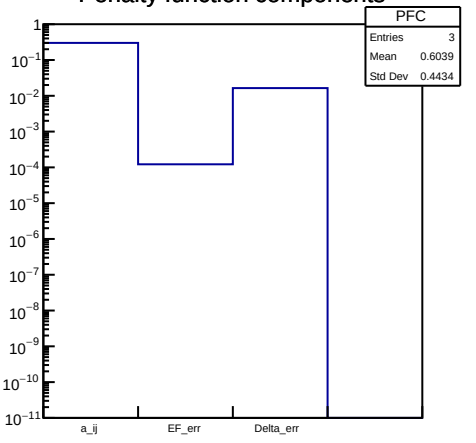
-11109.8 1d5/2 0.806425 0.793817

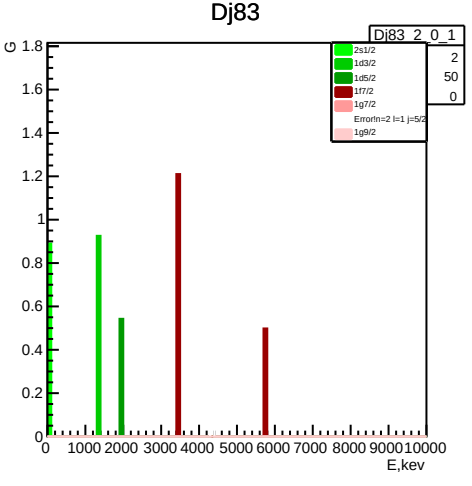
-7300.7 2s1/2 0.475 0.84

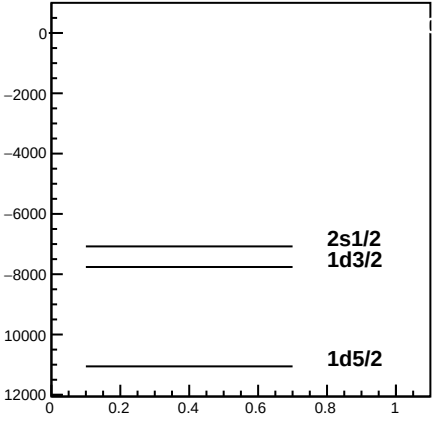
-7563.99 1d3/2 0.51305 0.4889











Experiment: Sh76a (8) Dj83 (12)

proton transfer

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

E_F: -7549 ± 99.501 keV

Δ: 4465.26 ± 365.596 keV

penalty: 0.105671

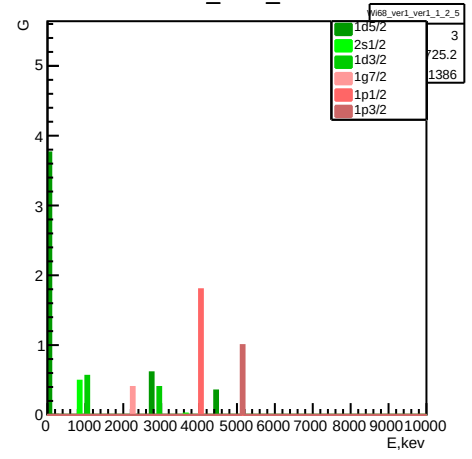
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

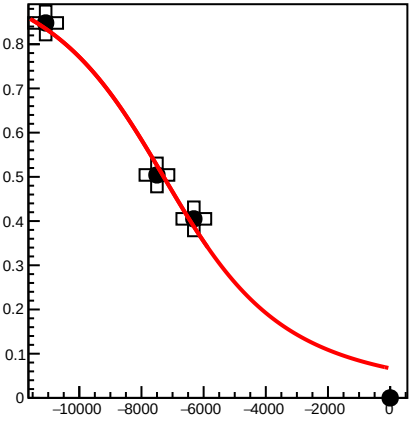
-11056.6 1d5/2 0.813092 0.80715

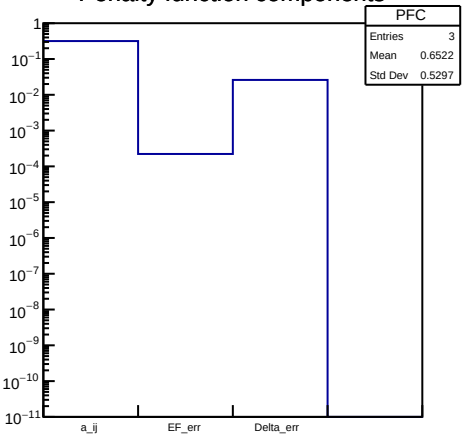
-7077.74 2s1/2 0.4575 0.805

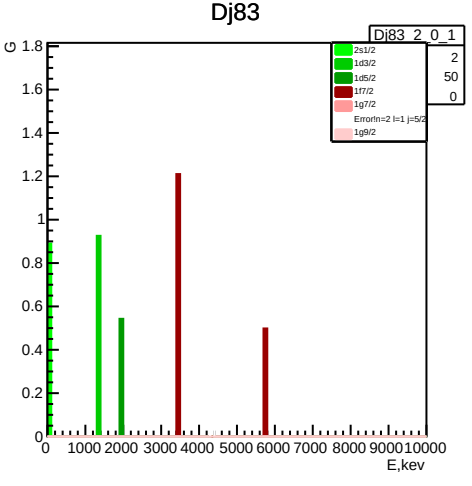
-7760.57 1d3/2 0.5118 0.4864

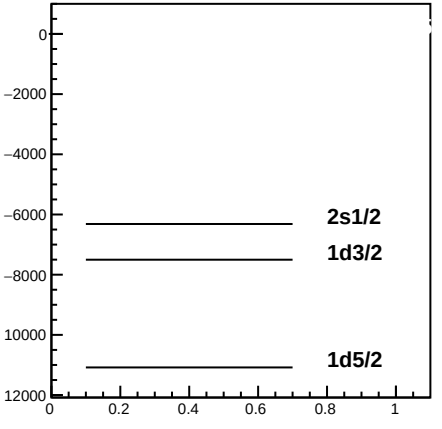
0 Error!n=1017048256 l=1072288812 j=0/2 0











Experiment: Wi68_ver1_ver1 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

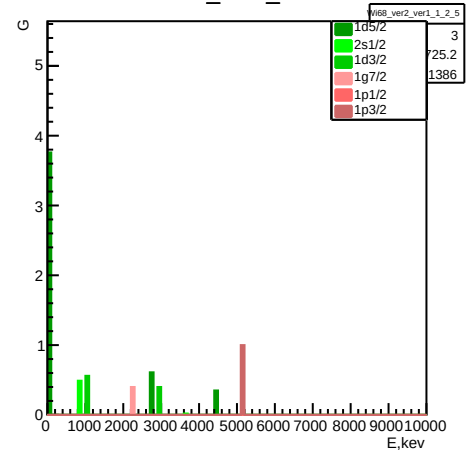
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

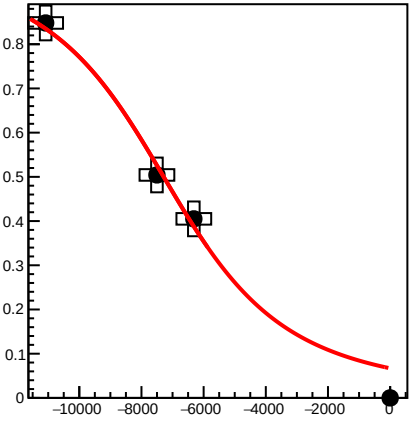
-11082.2 1d5/2 0.848092 0.87715

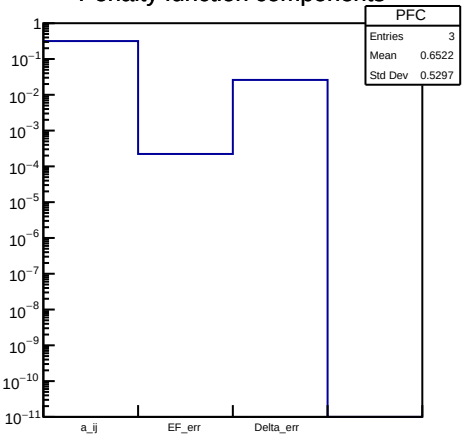
-6315.62 2s1/2 0.405 0.7

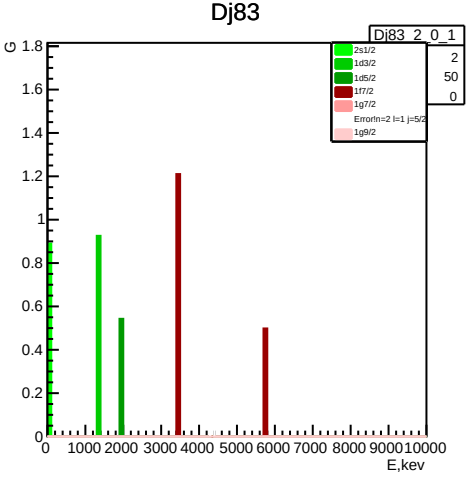
-7502.26 1d3/2 0.5043 0.4714

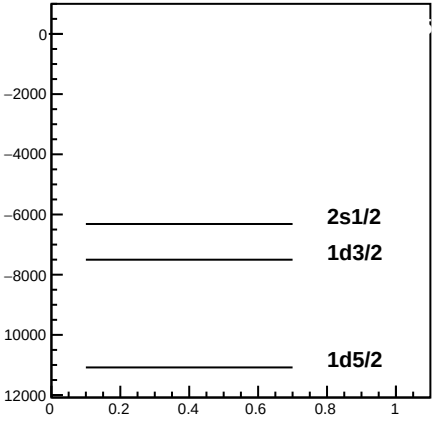
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver2_ver1 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

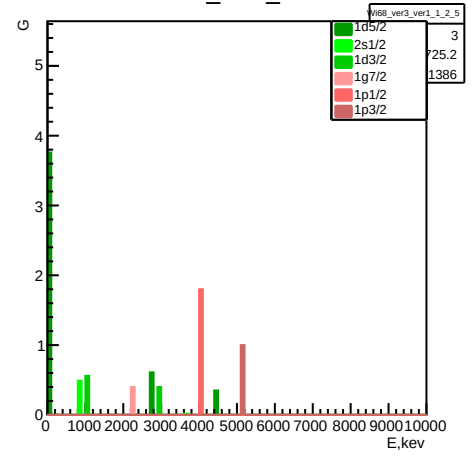
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

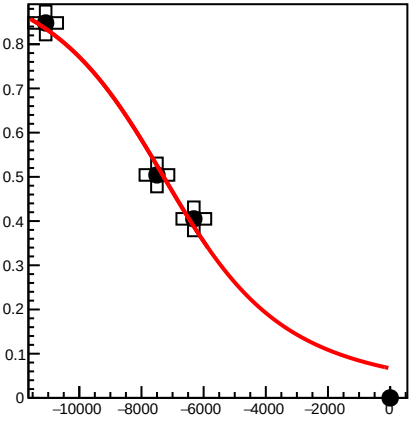
-11082.2 1d5/2 0.848092 0.87715

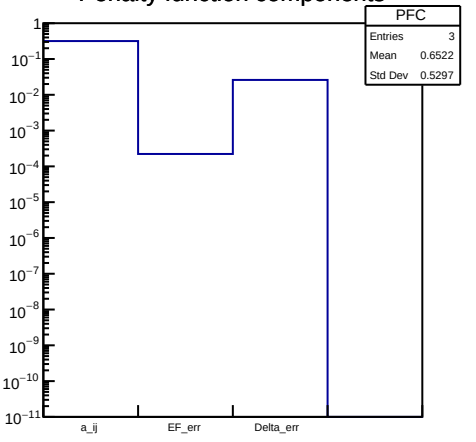
-6315.62 2s1/2 0.405 0.7

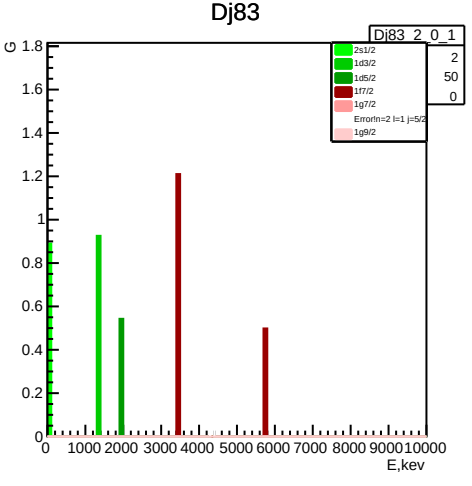
-7502.26 1d3/2 0.5043 0.4714

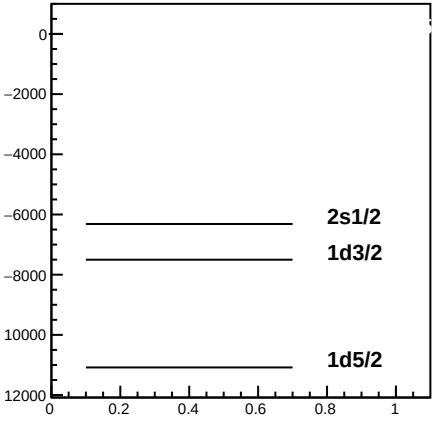
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver3_ver1 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

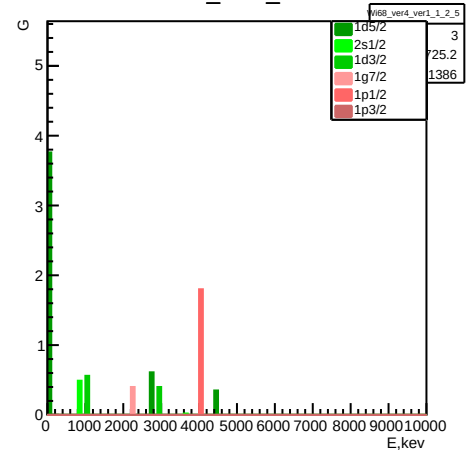
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

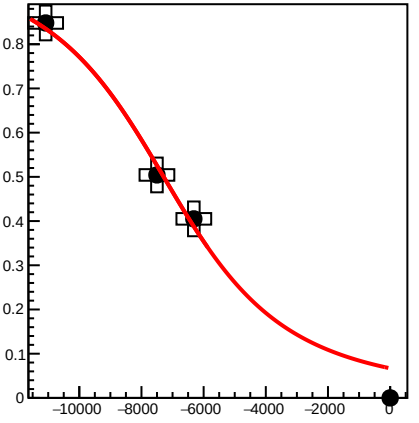
-11082.2 1d5/2 0.848092 0.87715

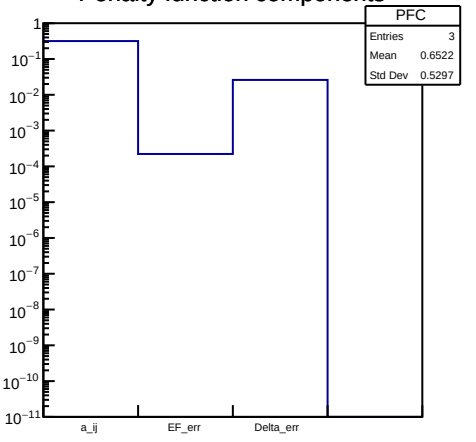
-6315.62 2s1/2 0.405 0.7

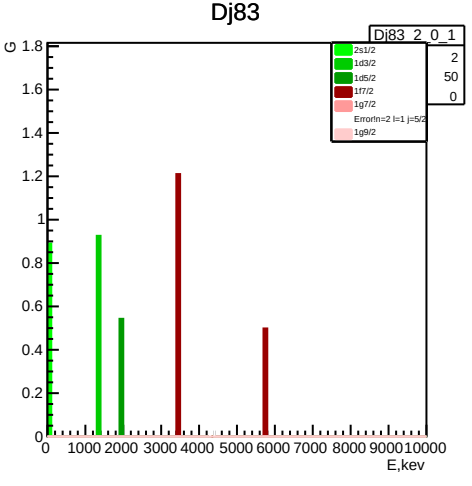
-7502.26 1d3/2 0.5043 0.4714

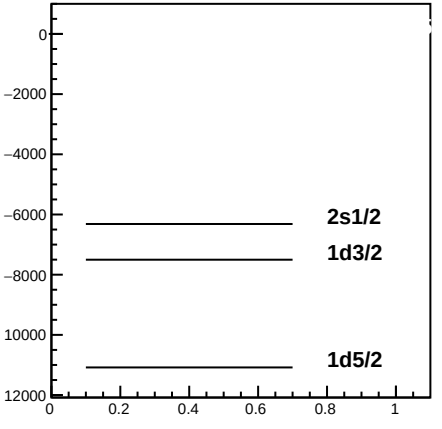
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver4_ver1 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

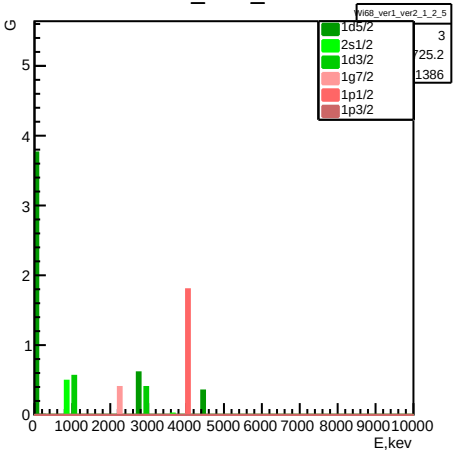
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

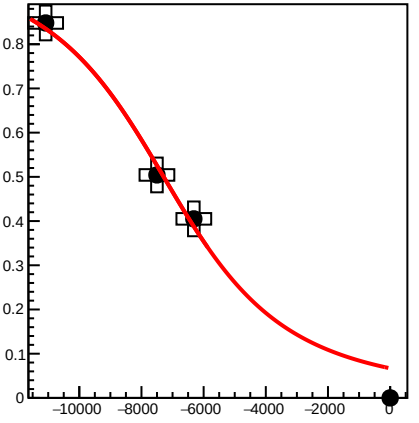
-11082.2 1d5/2 0.848092 0.87715

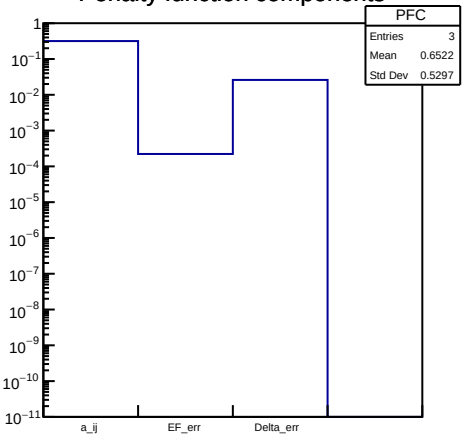
-6315.62 2s1/2 0.405 0.7

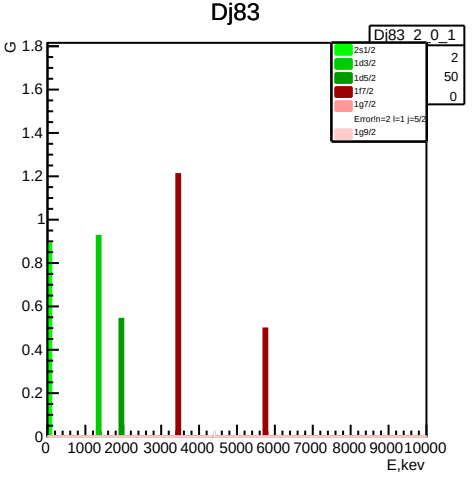
-7502.26 1d3/2 0.5043 0.4714

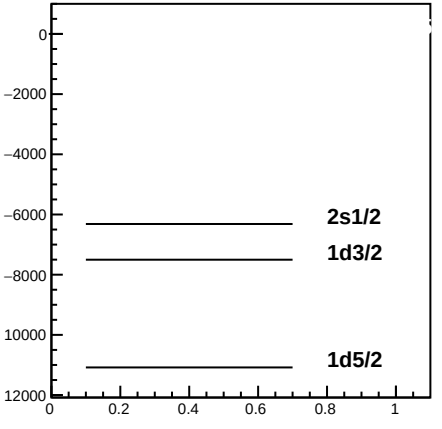
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver1_ver2 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

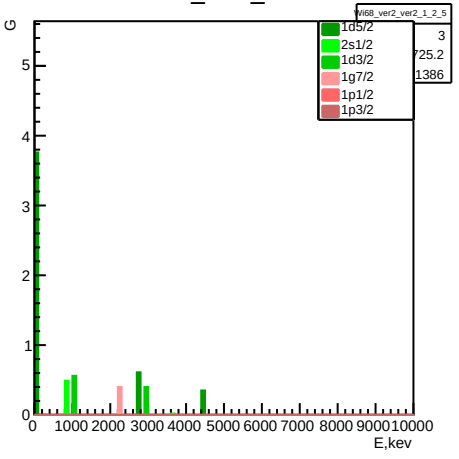
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

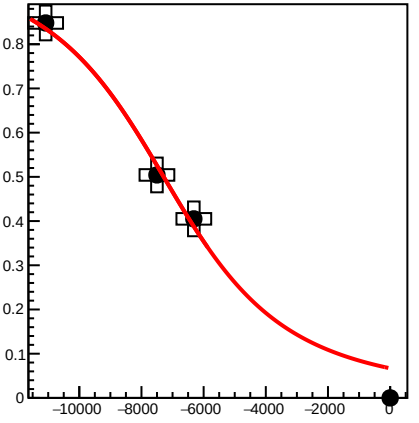
-11082.2 1d5/2 0.848092 0.87715

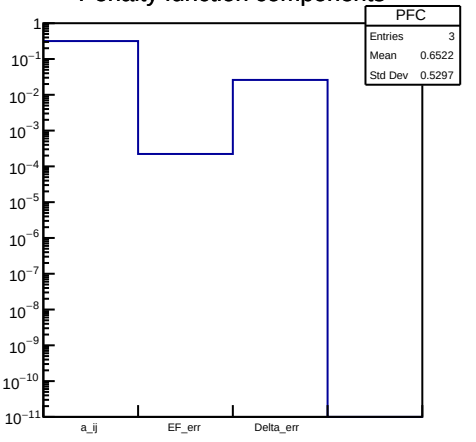
-6315.62 2s1/2 0.405 0.7

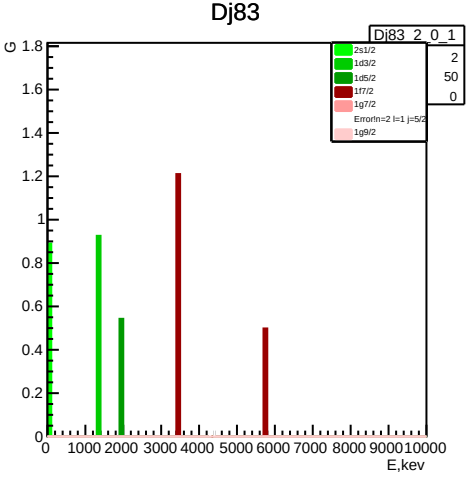
-7502.26 1d3/2 0.5043 0.4714

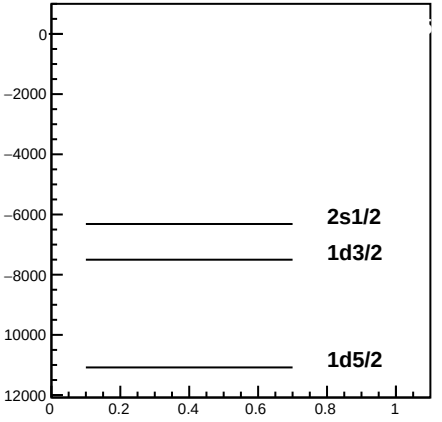
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver2_ver2 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

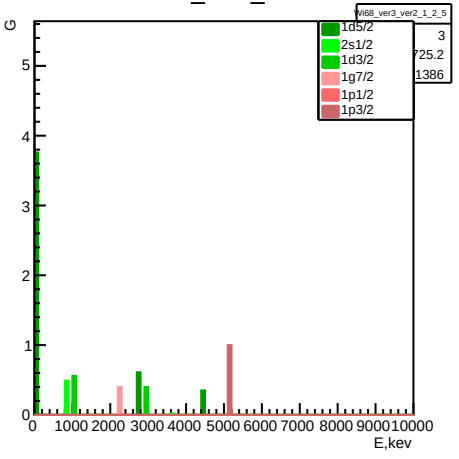
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

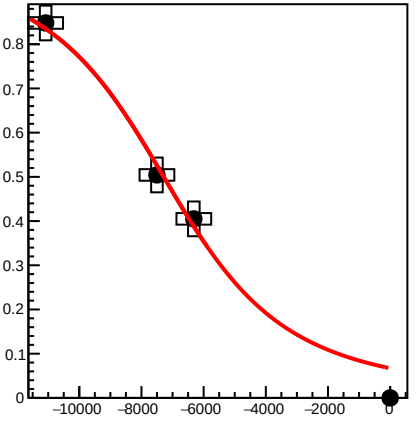
-11082.2 1d5/2 0.848092 0.87715

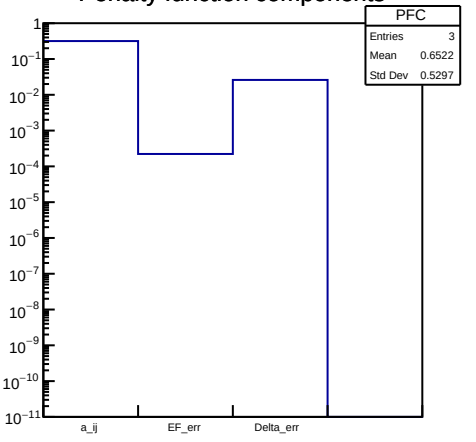
-6315.62 2s1/2 0.405 0.7

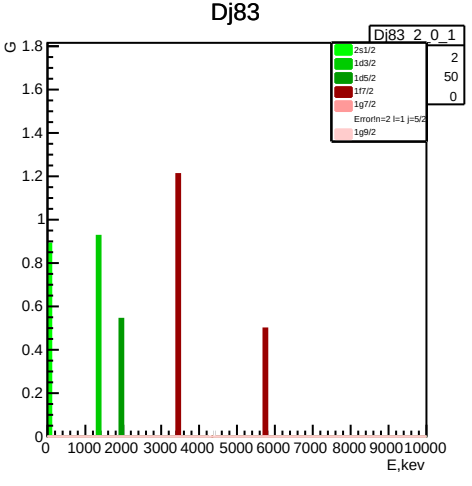
-7502.26 1d3/2 0.5043 0.4714

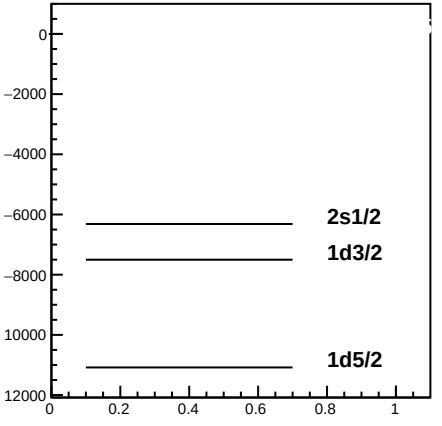
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver3_ver2 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

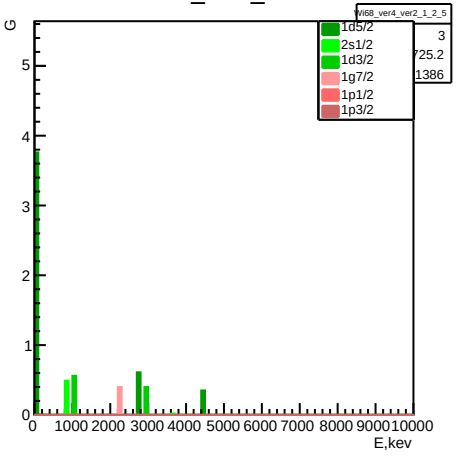
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

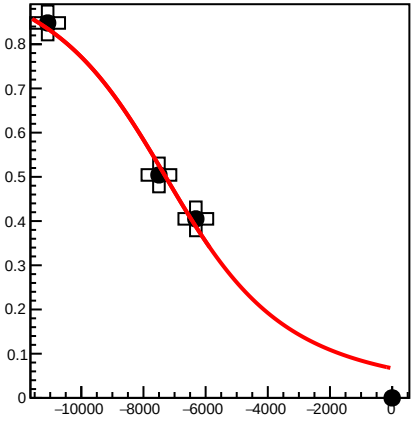
-11082.2 1d5/2 0.848092 0.87715

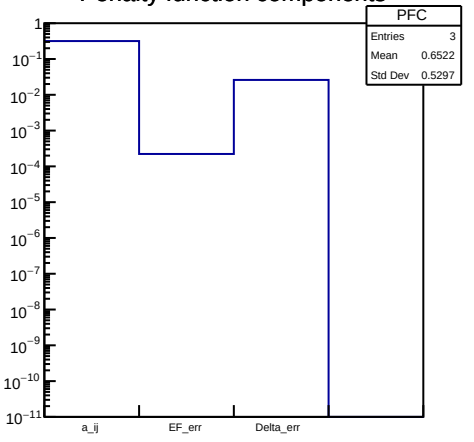
-6315.62 2s1/2 0.405 0.7

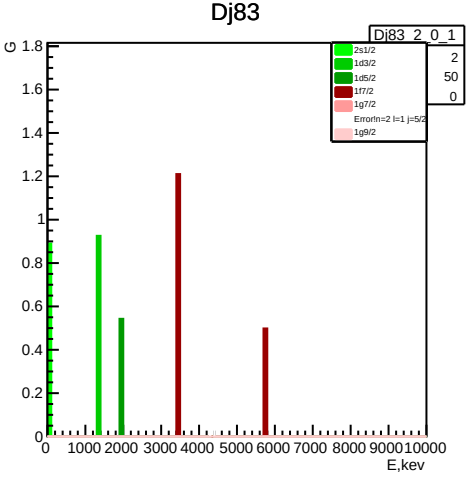
-7502.26 1d3/2 0.5043 0.4714

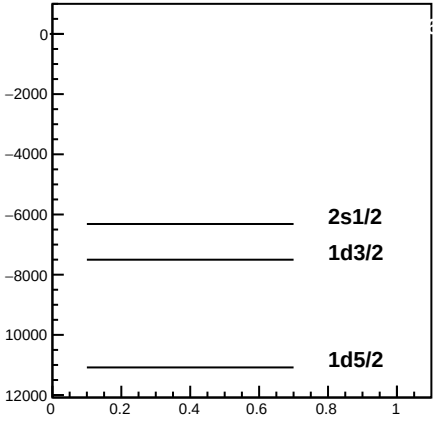
0 Error!n=-529139971 l=1072435612 j=0/2 0 1











Experiment: Wi68_ver4_ver2 (10) Dj83 (12)

proton transfer

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

E_F: -7285.25 ± 181.42 keV

Δ: -4205.17 ± 579.649 keV

penalty: 0.114463

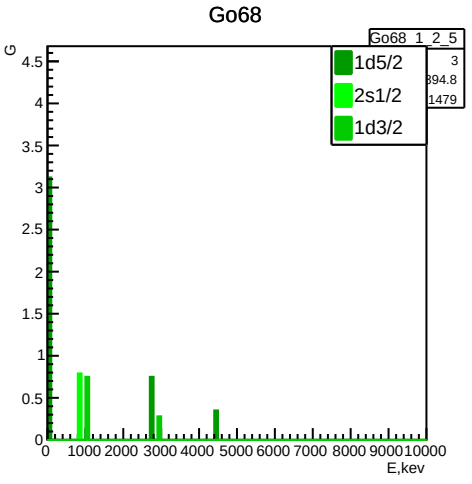
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

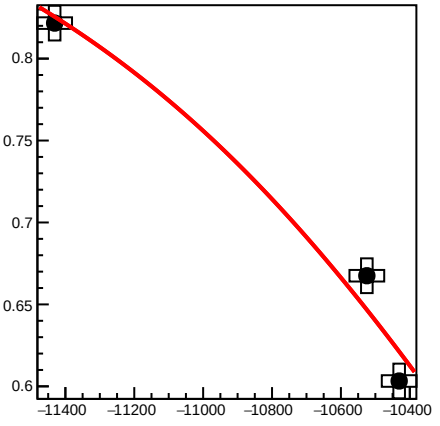
-11082.2 1d5/2 0.848092 0.87715

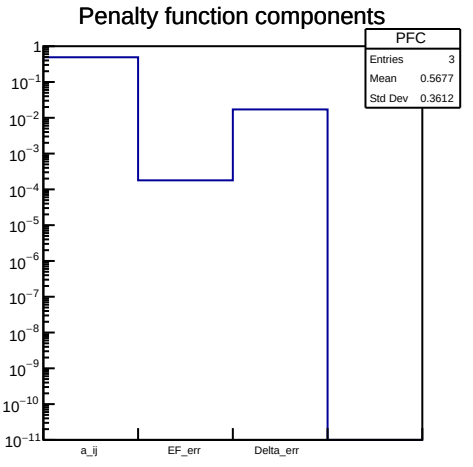
-6315.62 2s1/2 0.405 0.7

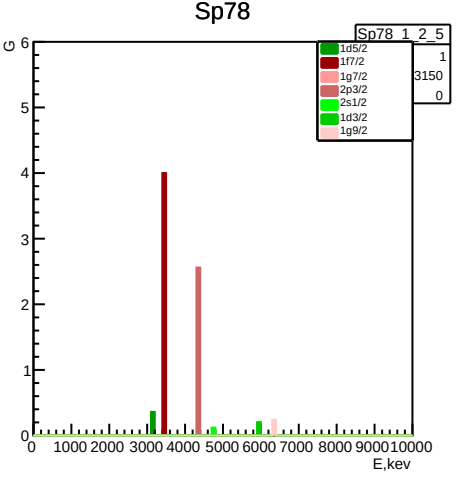
-7502.26 1d3/2 0.5043 0.4714

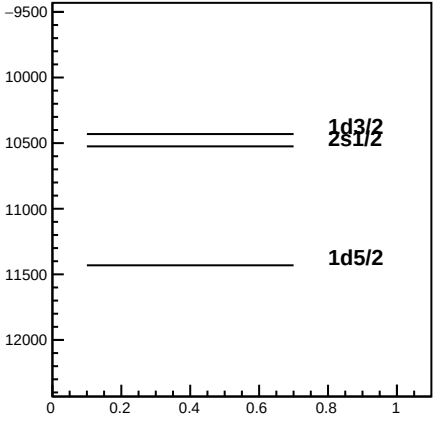
0 Error!n=1627012800 l=21961 j=0/2 0 4.6601











Experiment: Go68 (6) Sp78 (7)

proton transfer

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

E_F: -10019.6 ± 146.011 keV

Δ: 1645.45 ± 381.385 keV

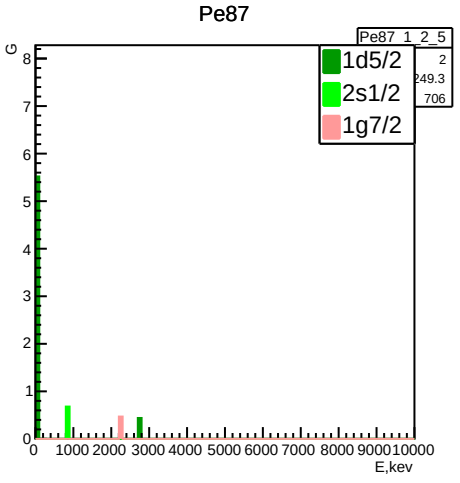
penalty: 0.169451

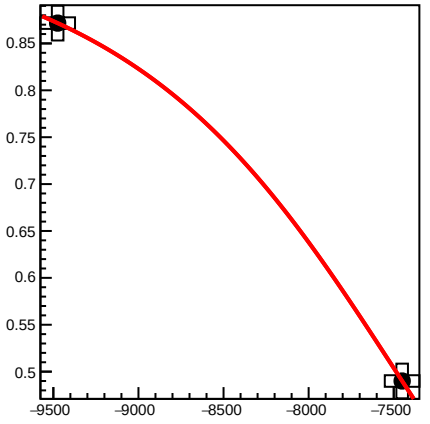
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

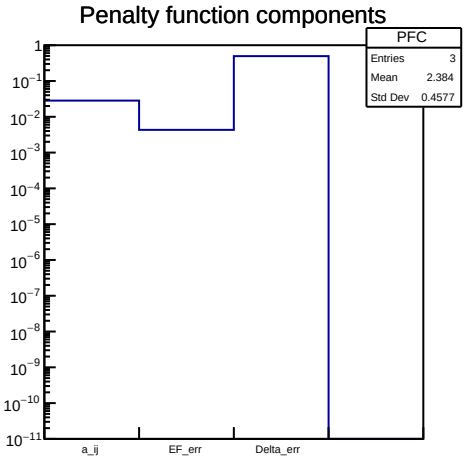
-11431.2 1d5/2 0.821667 0.763333

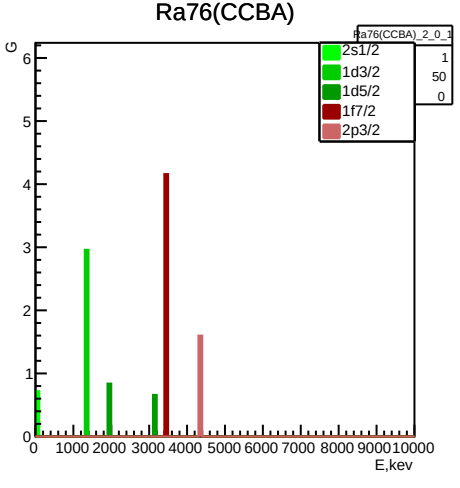
-10524.7 2s1/2 0.6675 0.455

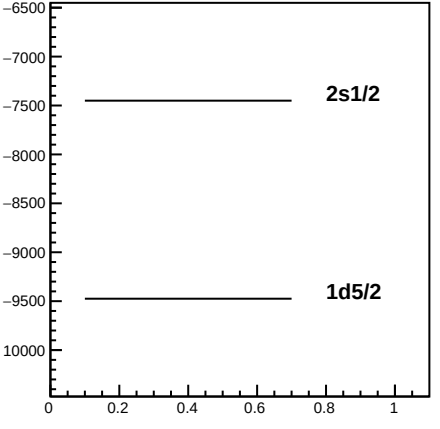
-10430.9 1d3/2 0.60325 0.3085











Experiment: Pe87 (4) Ra76(CCBA) (6)

proton transfer

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

E_F: -7486.37 ± 3524.26 keV

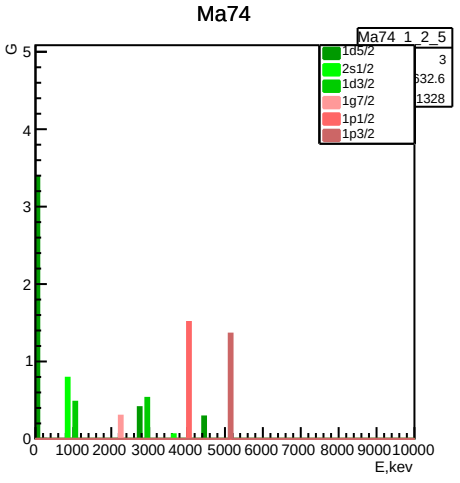
Δ: 1789.42 ± 11034 keV

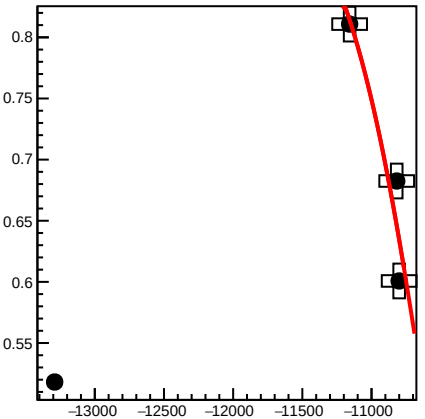
penalty: 0.175963

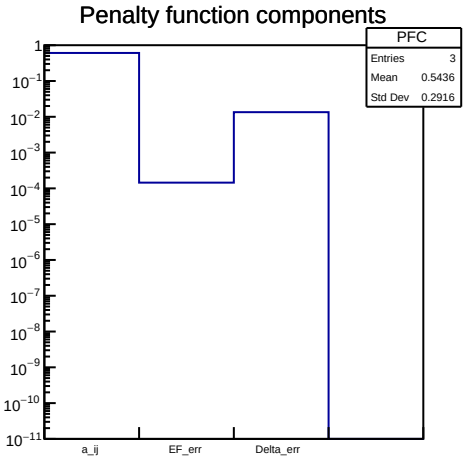
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

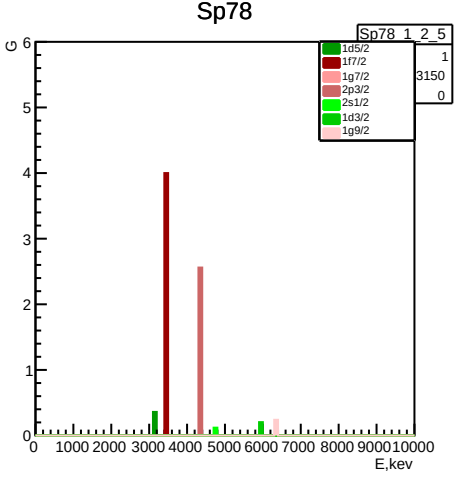
-9474.8 1d5/2 0.871667 1.24333

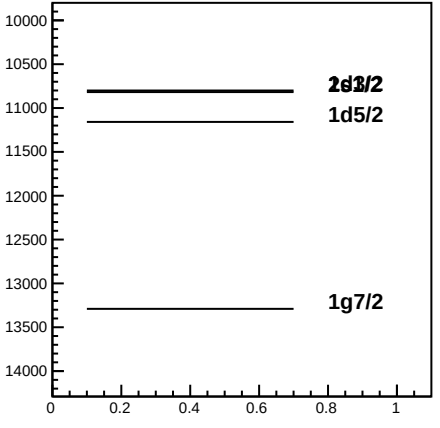
-7450.51 2s1/2 0.49 0.7











Experiment: Ma74 (10) Sp78 (7)

proton transfer

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

E_F: -10610.9 ± 118.087 keV

Δ: -677.741 ± 300.049 keV

penalty: 0.207123

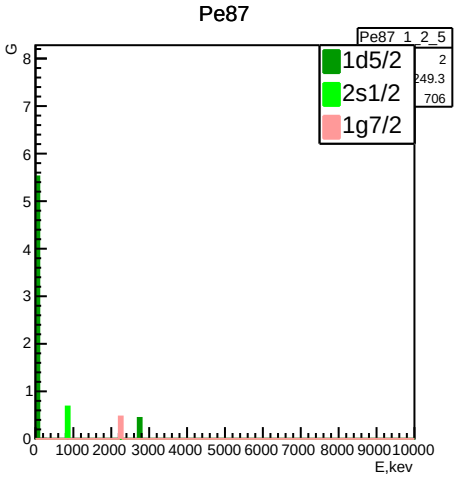
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

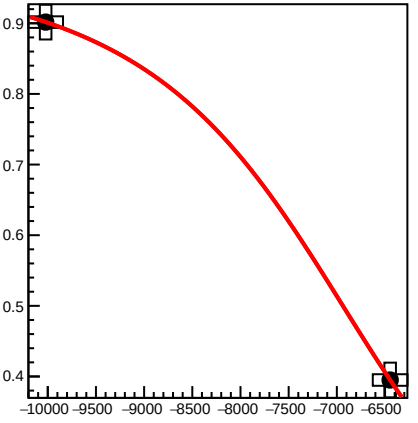
-11158.3 1d5/2 0.810833 0.741667

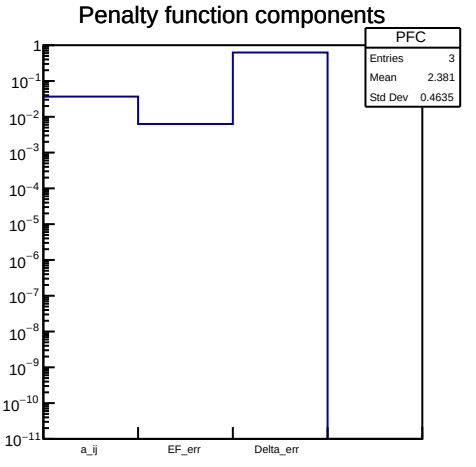
-10818 2s1/2 0.6825 0.485

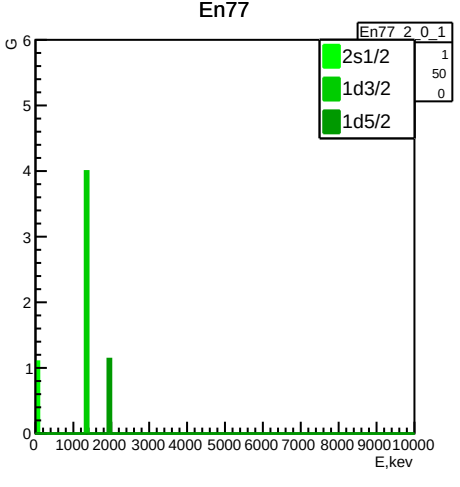
-10800.3 1d3/2 0.60075 0.3035

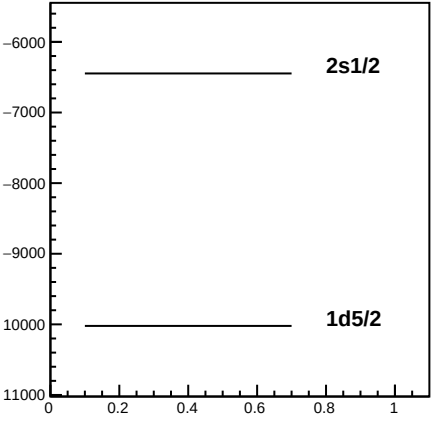
-13290.1 1g7/2 0.5181 0.0388











Experiment: Pe87 (4) En77 (3)

proton transfer

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

E_F: -6937.32 ± 5141.13 keV

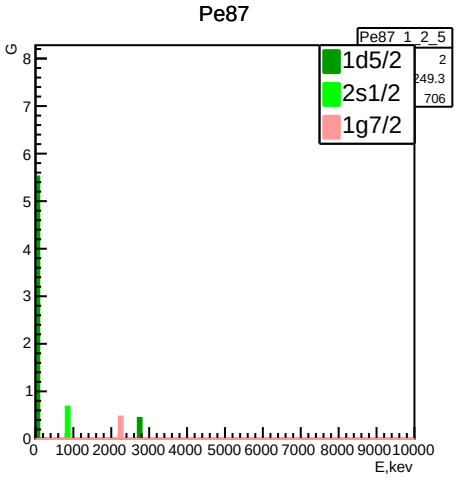
Δ: -2284.43 ± 13925.1 keV

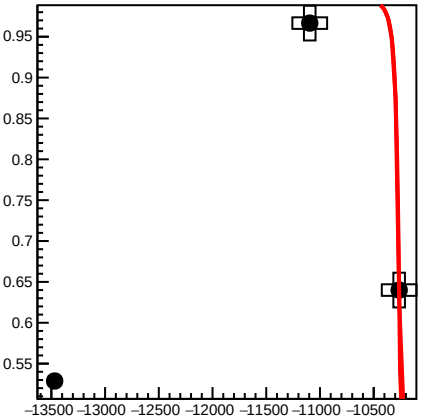
penalty: 0.222654

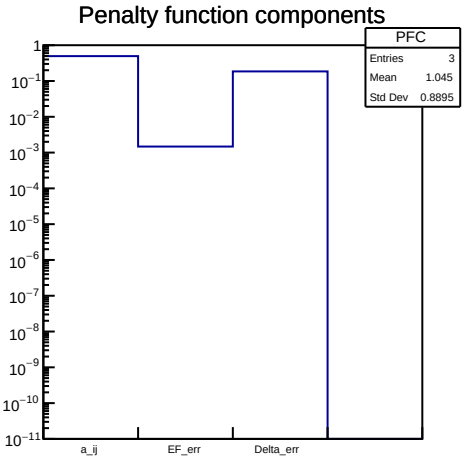
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

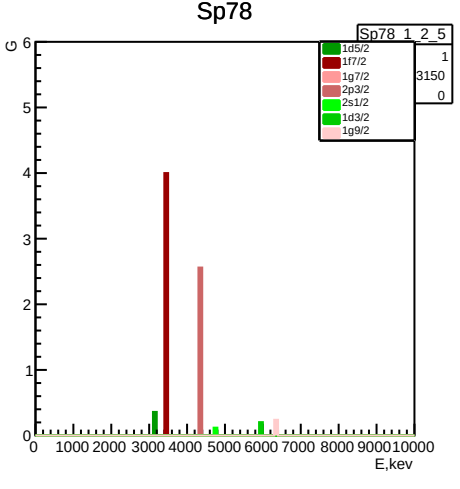
-10022 1d5/2 0.901667 1.18333

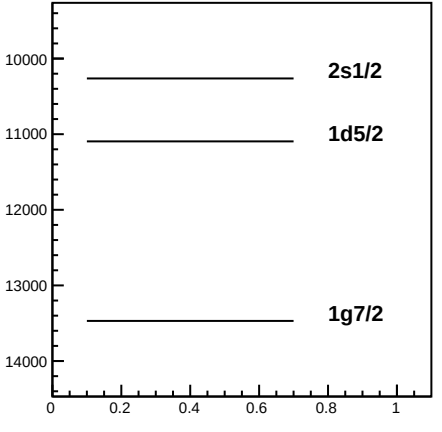
-6446.78 2s1/2 0.395 0.89











Experiment: Pe87 (4) Sp78 (7)

proton transfer

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

E_F: -10251.3 ± 1203.34 keV

Δ: 39.8121 ± 4130.31 keV

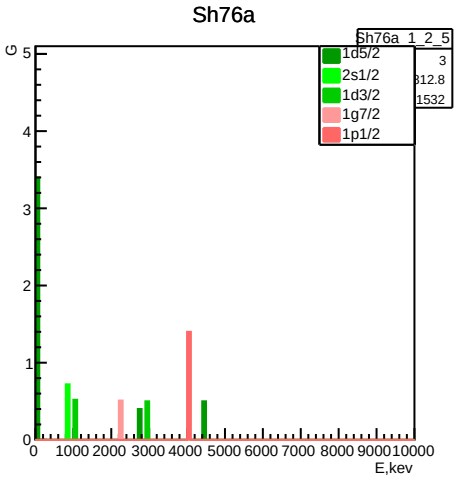
penalty: 0.227464

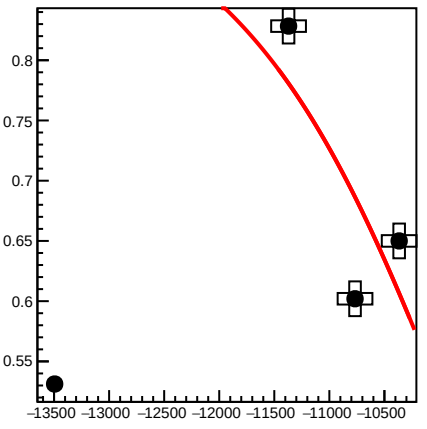
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

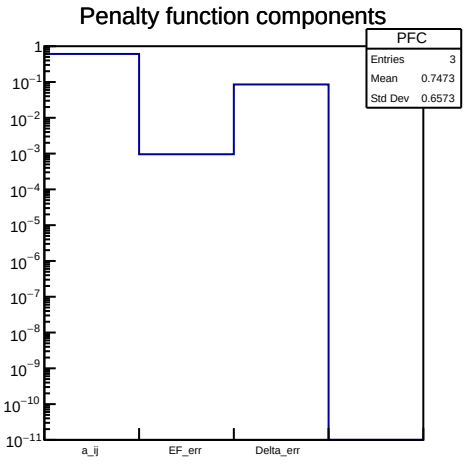
-11095.2 1d5/2 0.966667 1.05333

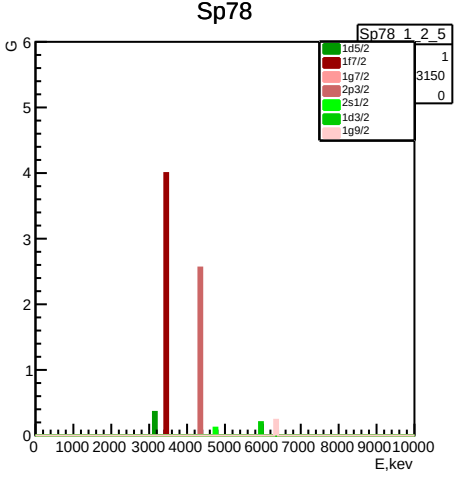
-10262.9 2s1/2 0.64 0.4

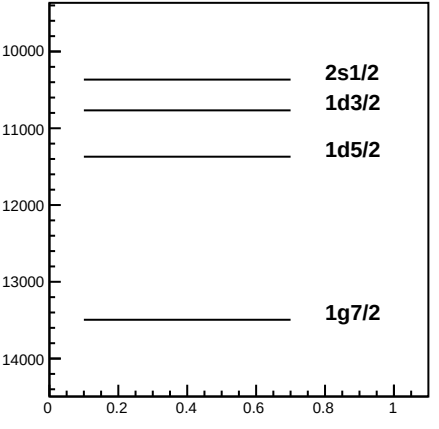
-13469.5 1g7/2 0.528725 0.06005











Experiment: Sh76a (8) Sp78 (7)

proton transfer

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

E_F: -9890.61 ± 781.878 keV

Δ: -2180.27 ± 1902.21 keV

penalty: 0.231468

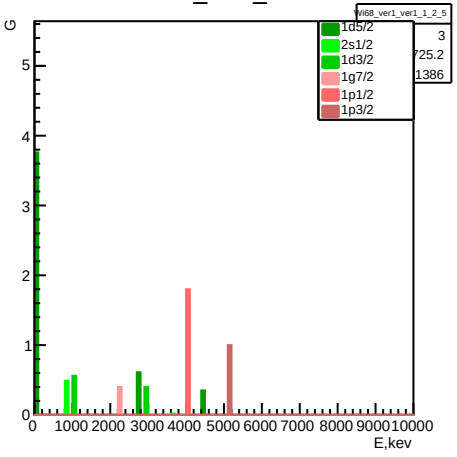
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

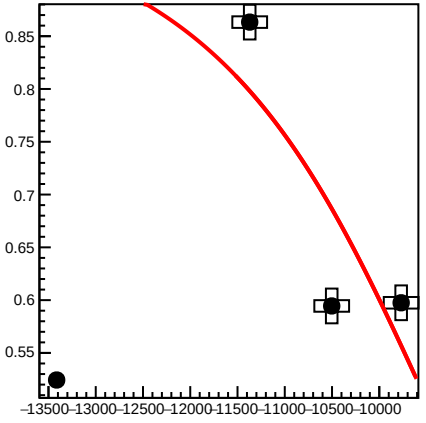
-11370.4 1d5/2 0.828333 0.776667

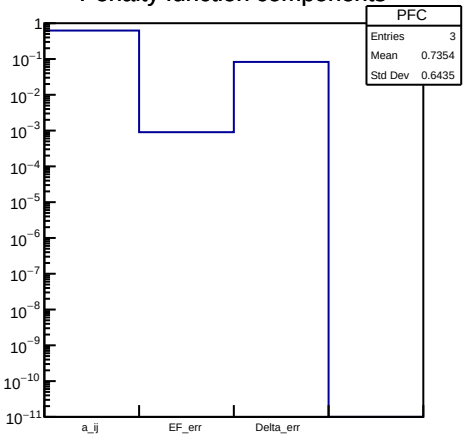
-10366.1 2s1/2 0.65 0.42

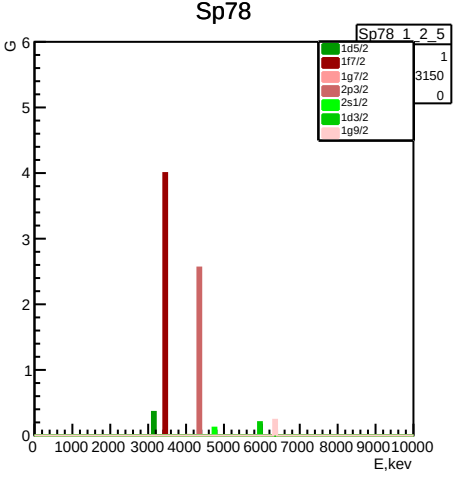
-10766.8 1d3/2 0.602 0.306

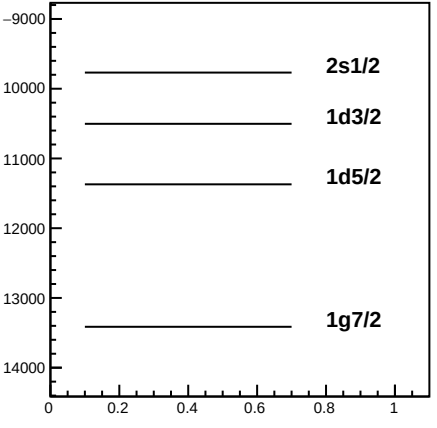
-13494.7 1g7/2 0.531225 0.06505











Experiment: Wi68_ver1_ver1 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

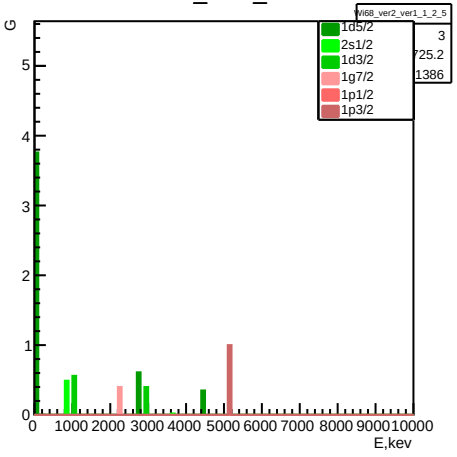
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

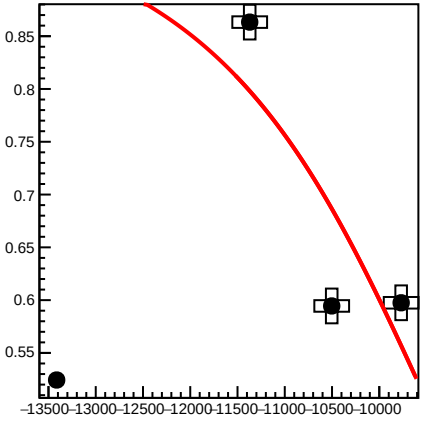
-11371 1d5/2 0.863333 0.846667

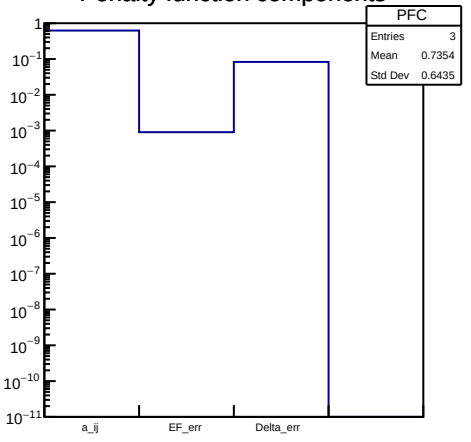
-9768.53 2s1/2 0.5975 0.315

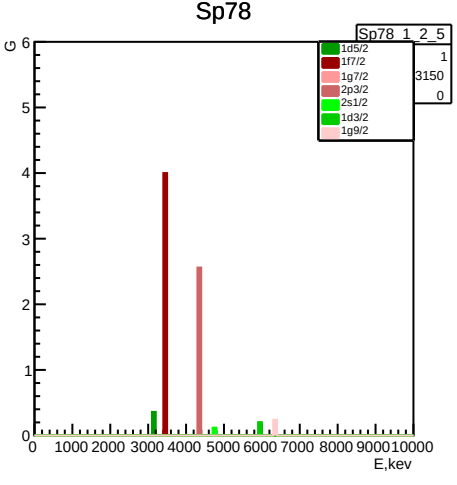
-10503.3 1d3/2 0.5945 0.291

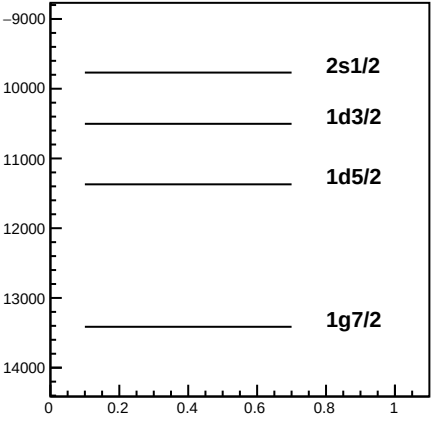
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver2_ver1 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

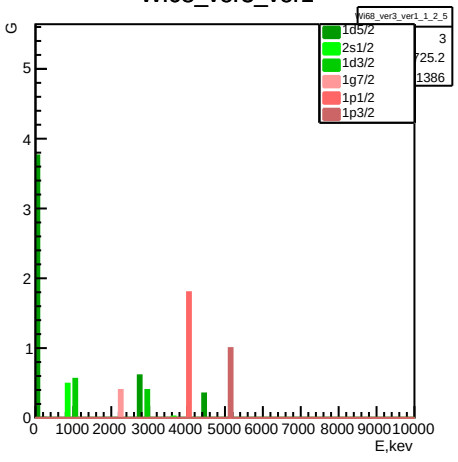
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

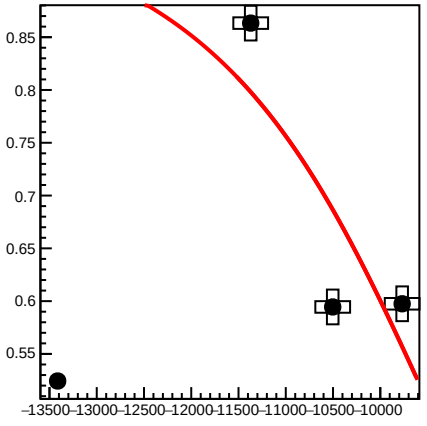
-11371 1d5/2 0.863333 0.846667

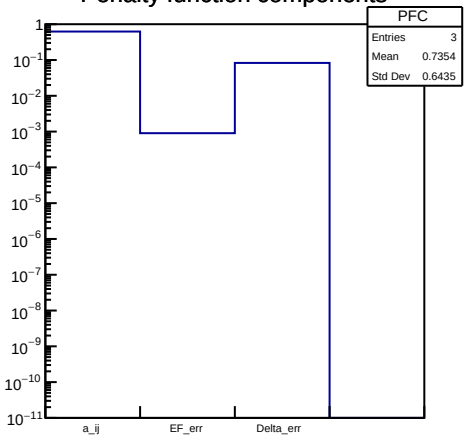
-9768.53 2s1/2 0.5975 0.315

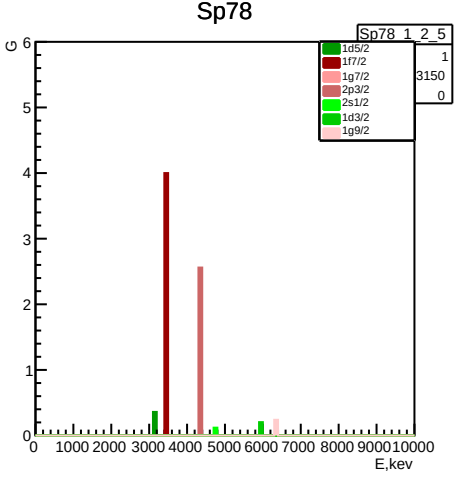
-10503.3 1d3/2 0.5945 0.291

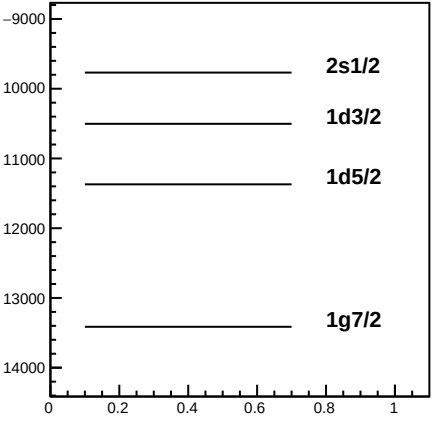
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver3_ver1 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

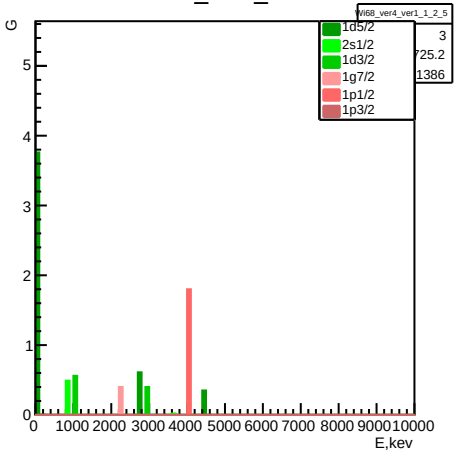
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

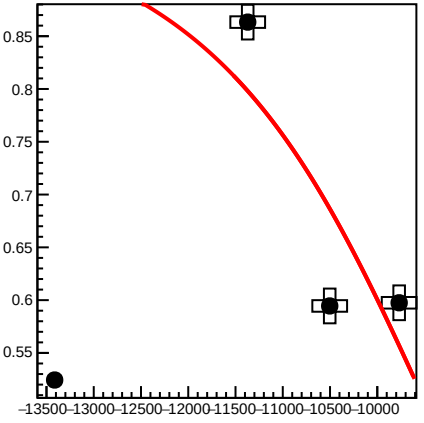
-11371 1d5/2 0.863333 0.846667

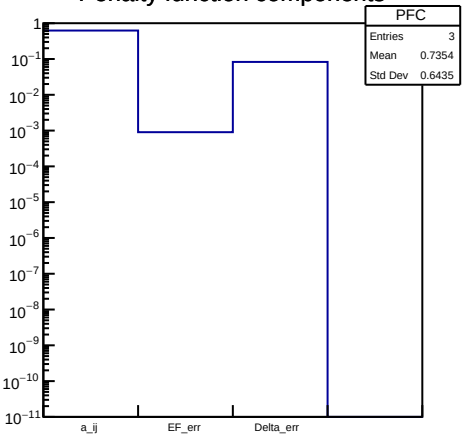
-9768.53 2s1/2 0.5975 0.315

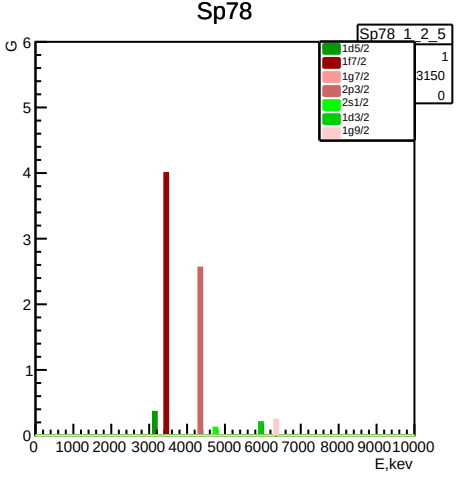
-10503.3 1d3/2 0.5945 0.291

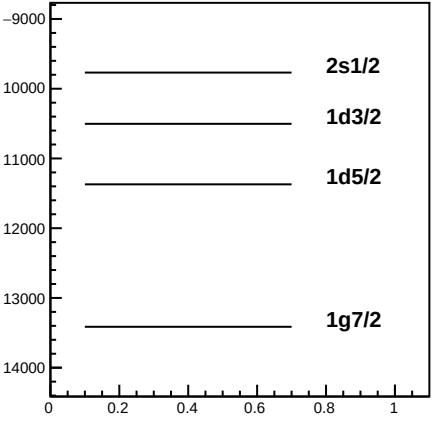
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver4_ver1 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

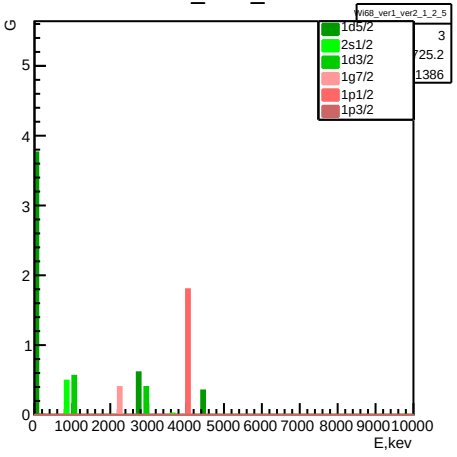
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

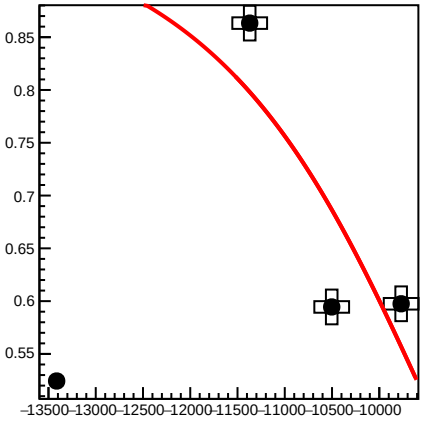
-11371 1d5/2 0.863333 0.846667

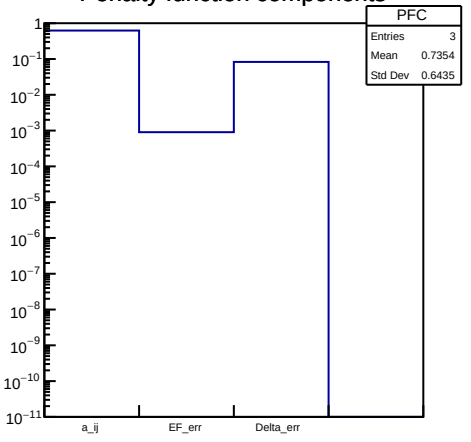
-9768.53 2s1/2 0.5975 0.315

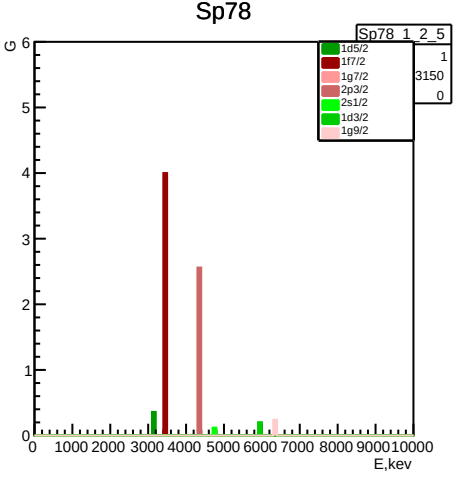
-10503.3 1d3/2 0.5945 0.291

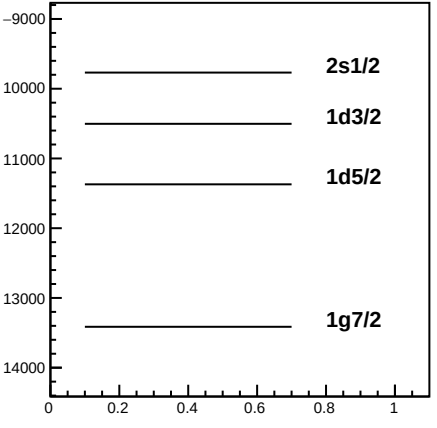
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver1_ver2 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

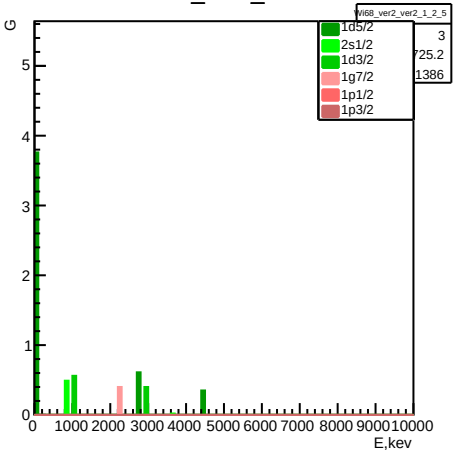
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

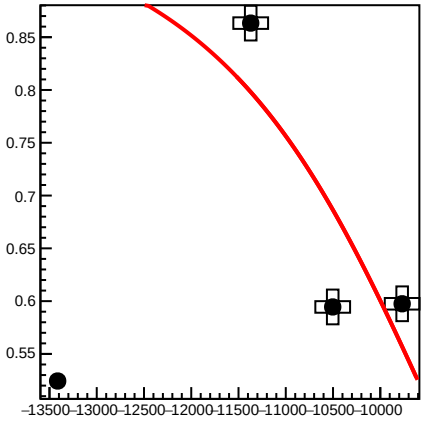
-11371 1d5/2 0.863333 0.846667

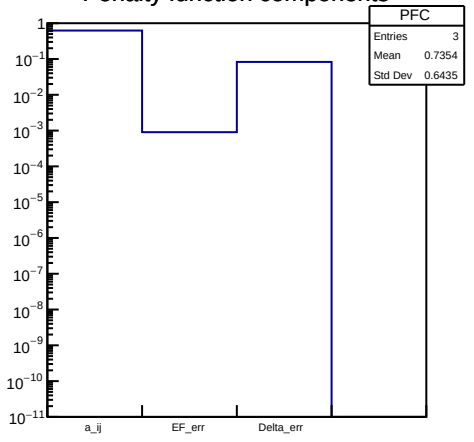
-9768.53 2s1/2 0.5975 0.315

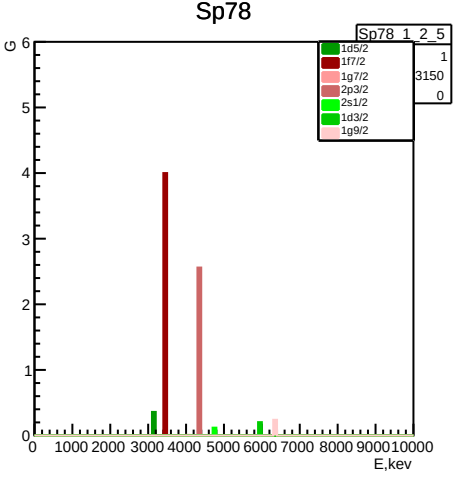
-10503.3 1d3/2 0.5945 0.291

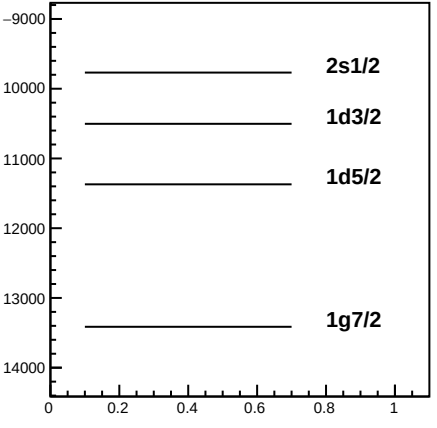
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver2_ver2 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

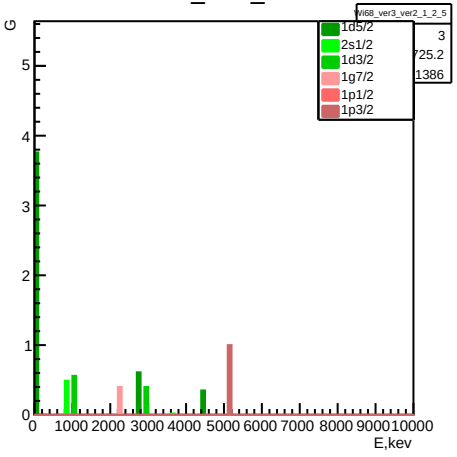
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

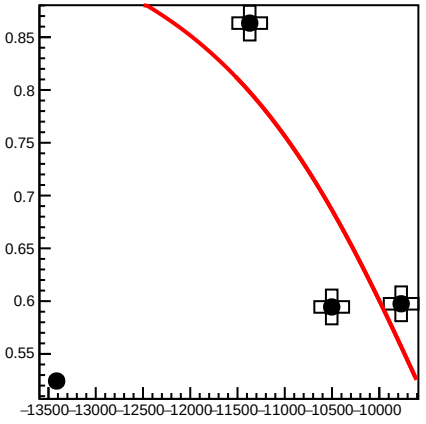
-11371 1d5/2 0.863333 0.846667

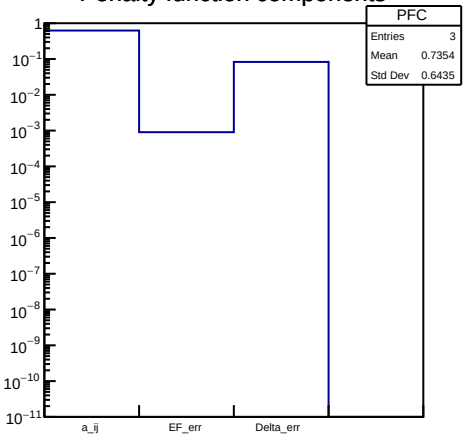
-9768.53 2s1/2 0.5975 0.315

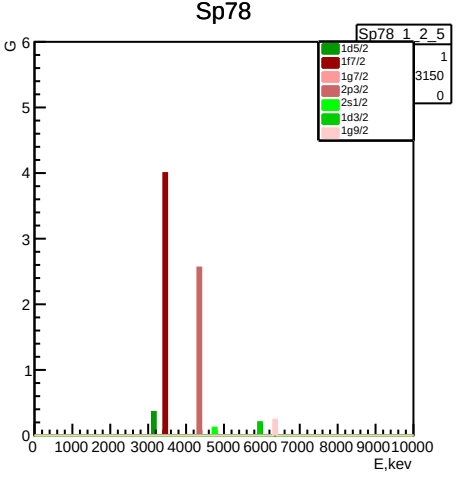
-10503.3 1d3/2 0.5945 0.291

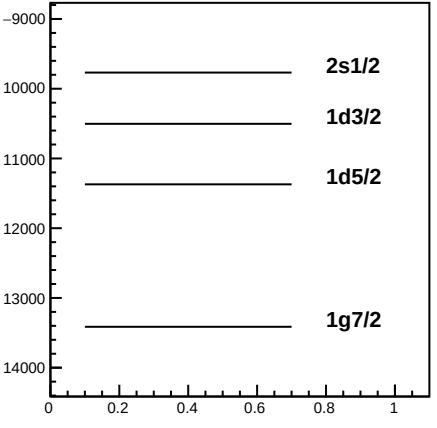
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver3_ver2 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

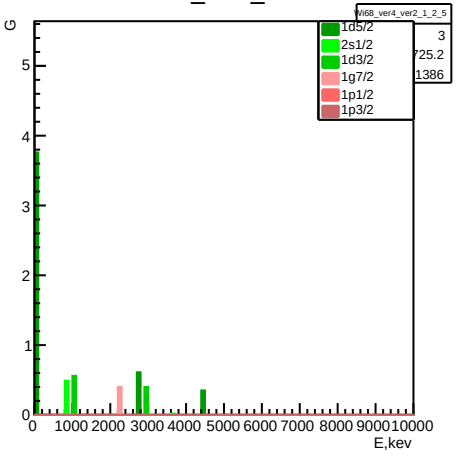
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

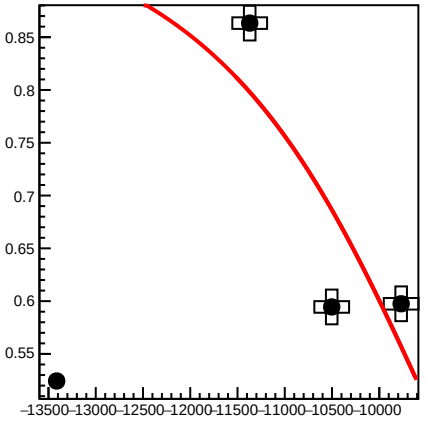
-11371 1d5/2 0.863333 0.846667

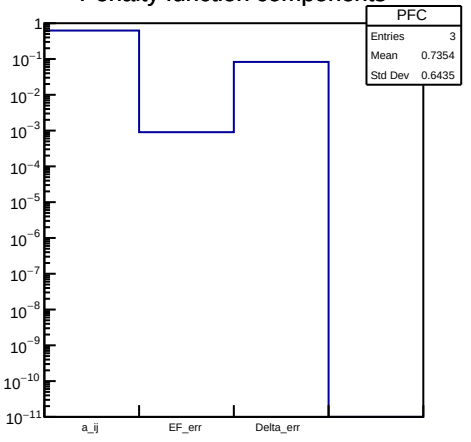
-9768.53 2s1/2 0.5975 0.315

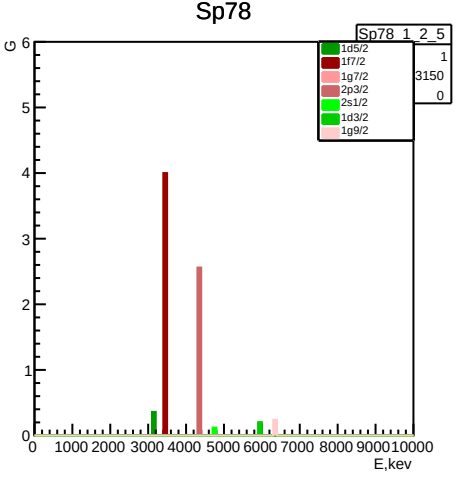
-10503.3 1d3/2 0.5945 0.291

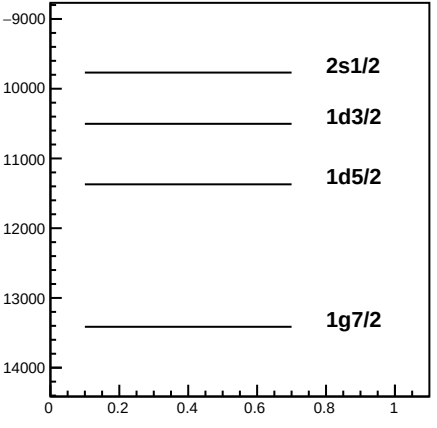
-13413.6 1g7/2 0.52435 0.0513











Experiment: Wi68_ver4_ver2 (10) Sp78 (7)

proton transfer

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

E_F: -9476.21 ± 736.63 keV

Δ: 2551.36 ± 1845.94 keV

penalty: 0.235921

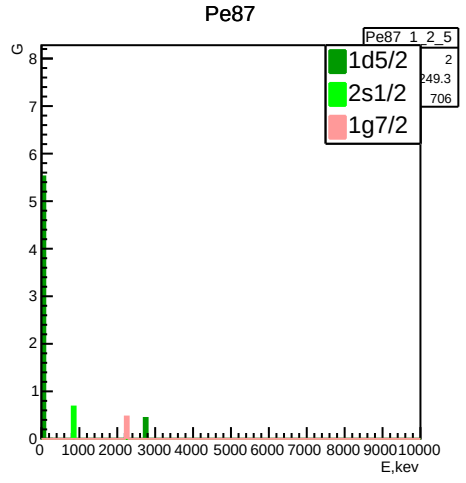
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

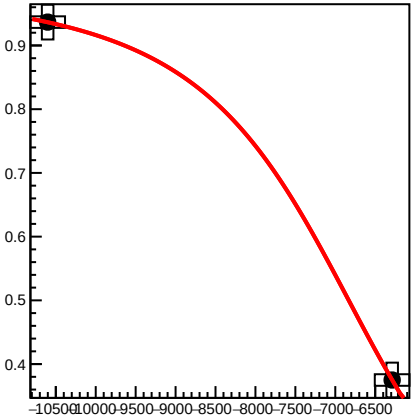
-11371 1d5/2 0.863333 0.846667

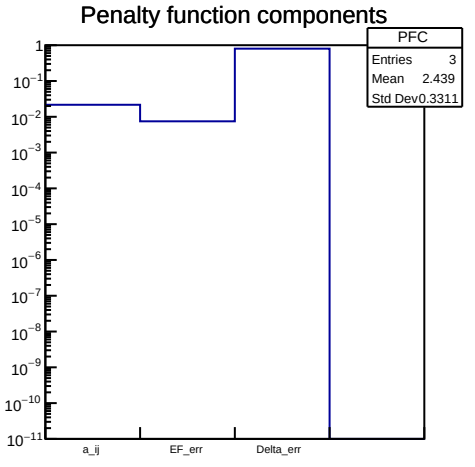
-9768.53 2s1/2 0.5975 0.315

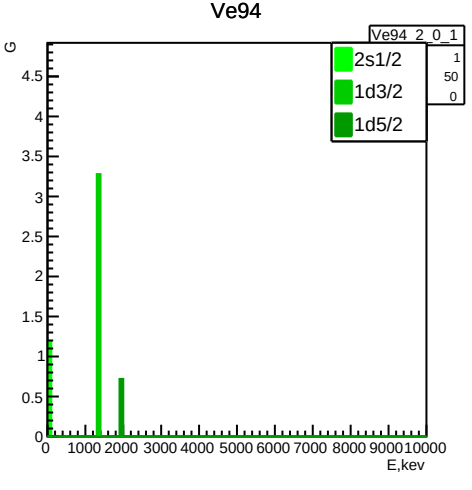
-10503.3 1d3/2 0.5945 0.291

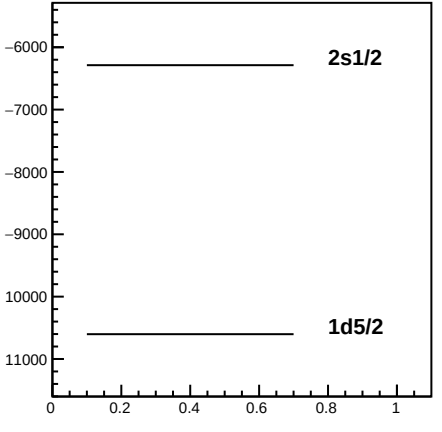
-13413.6 1g7/2 0.52435 0.0513











Experiment: Pe87 (4) Ve94 (3)

proton transfer

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

E_F: -6831.39 ± 6104.84 keV

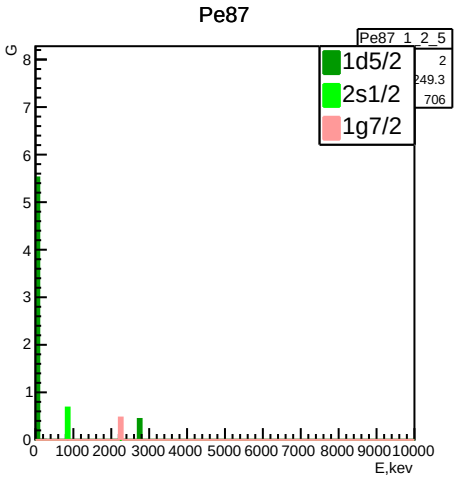
Δ: 2107.31 ± 17854.2 keV

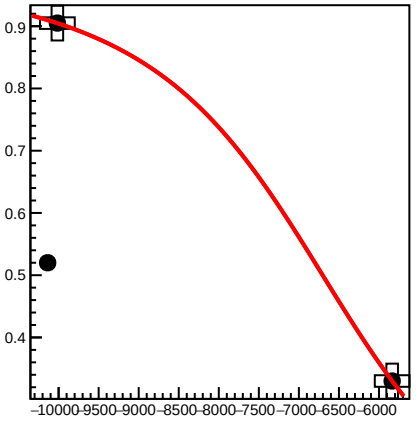
penalty: 0.276831

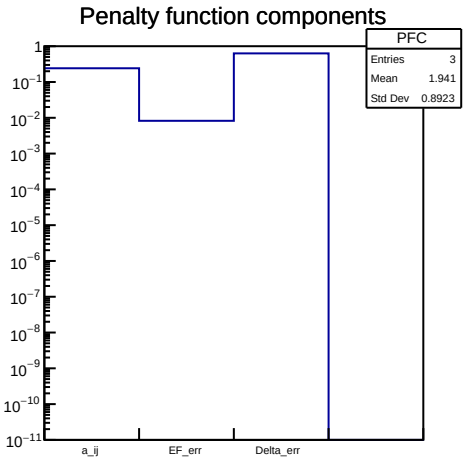
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

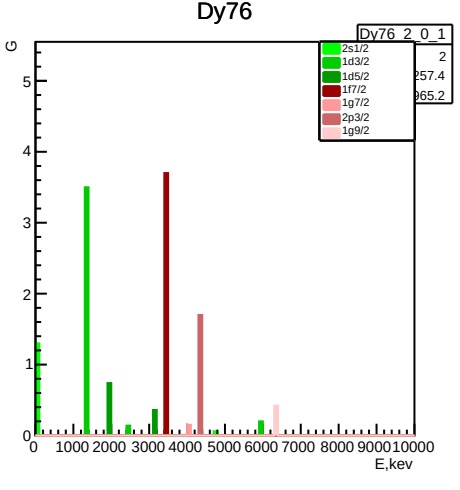
-10602.1 1d5/2 0.936667 1.11333

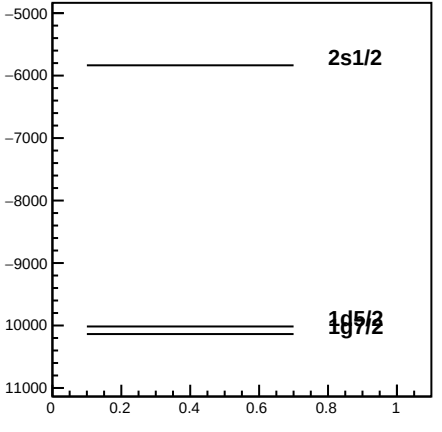
-6287.73 2s1/2 0.375 0.93











Experiment: Pe87 (4) Dy76 (11)

proton transfer

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

E_F: -6703.23 ± 6724.64 keV

Δ: -2400.77 ± 14041.2 keV

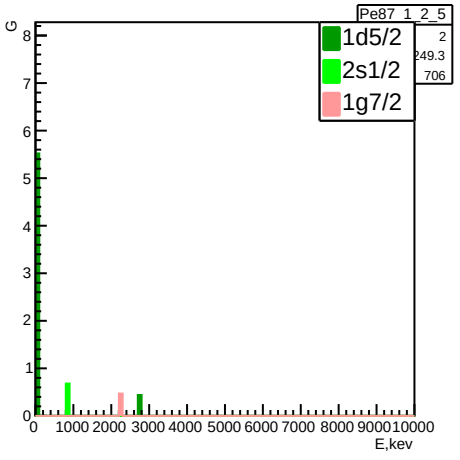
penalty: 0.293463

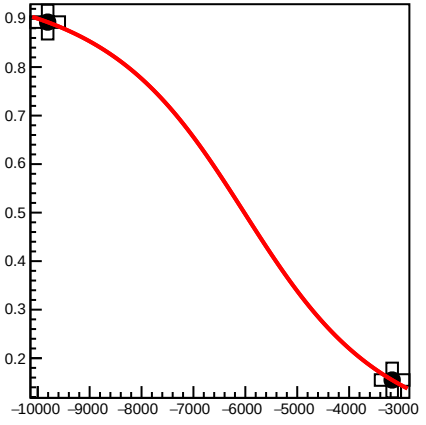
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

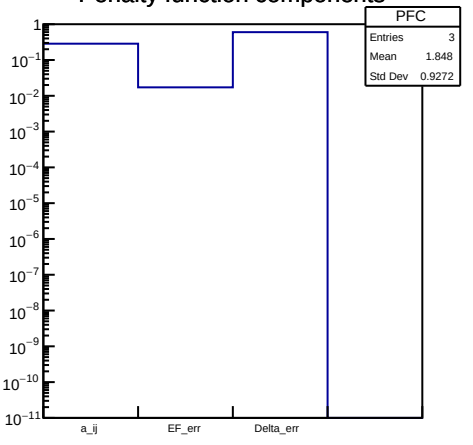
-10015.5 1d5/2 0.905 1.17667

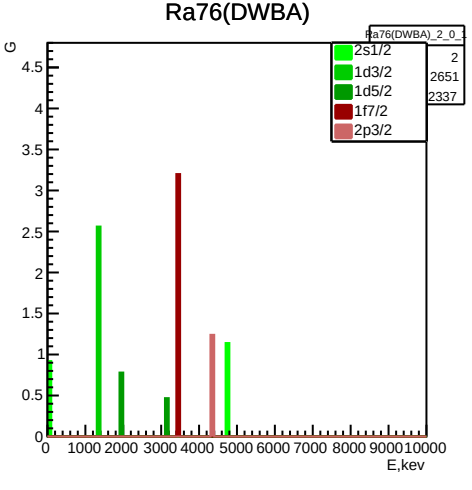
-5835.51 2s1/2 0.33 1.02

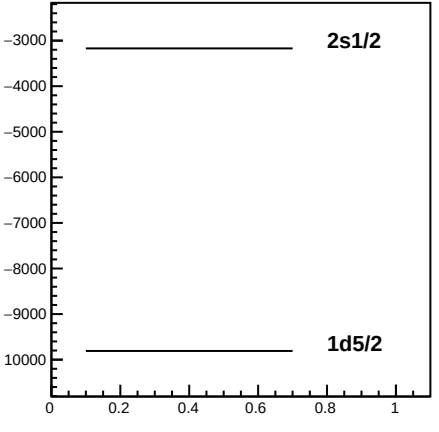
-10136.8 1g7/2 0.52 0.0775











Experiment: Pe87 (4) Ra76(DWBA) (7)

proton transfer

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

E_F: -6020.69 ± 14060.3 keV

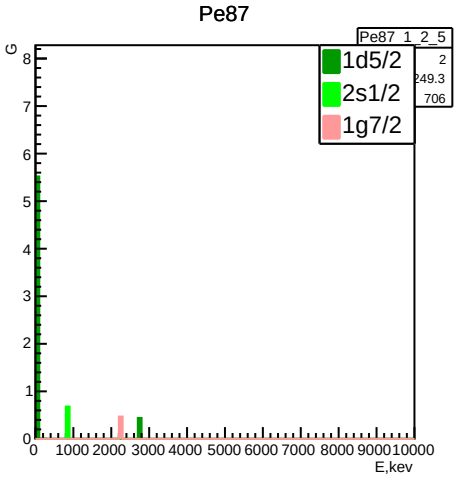
Δ: -2987.85 ± 13365.2 keV

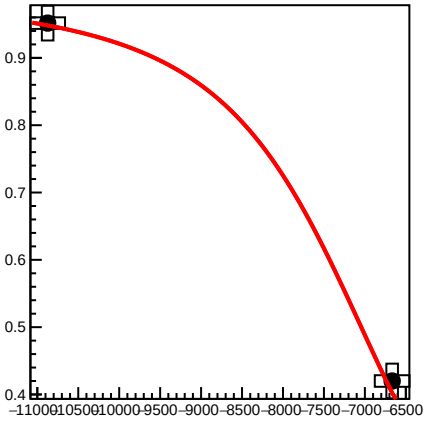
penalty: 0.300919

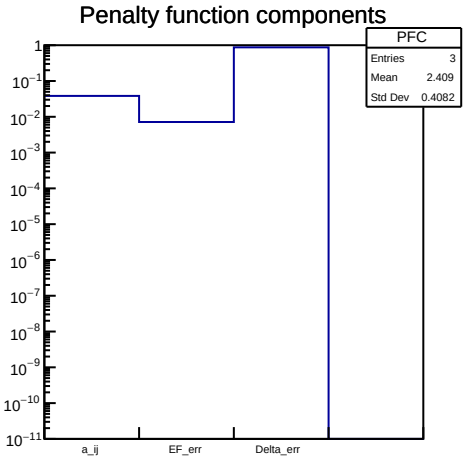
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

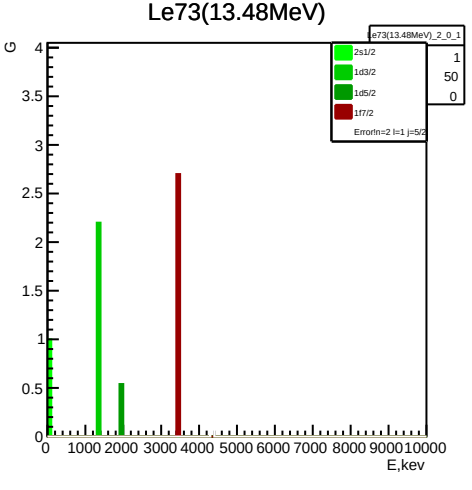
-9808.94 1d5/2 0.892667 1.20133

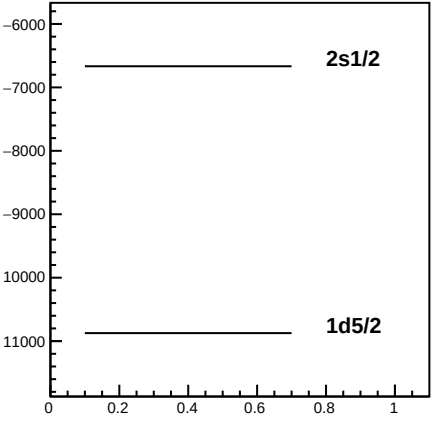
-3171.13 2s1/2 0.155 1.37











Experiment: Pe87 (4) Le73(13.48MeV) (5) proton transfer

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

E_F: -7044.35 ± 5840.37 keV

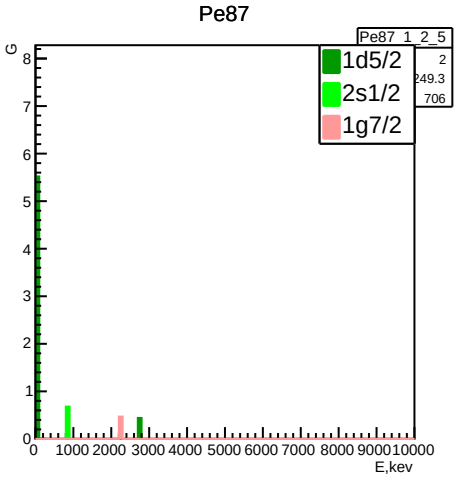
Δ: -1892.77 ± 19419.3 keV

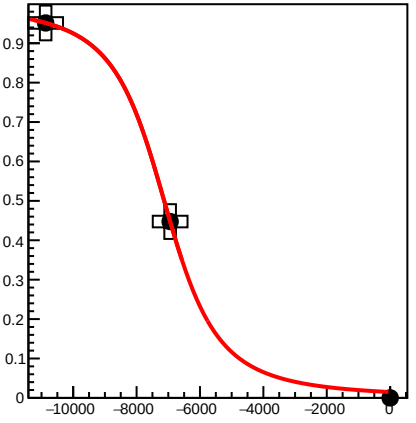
penalty: 0.305694

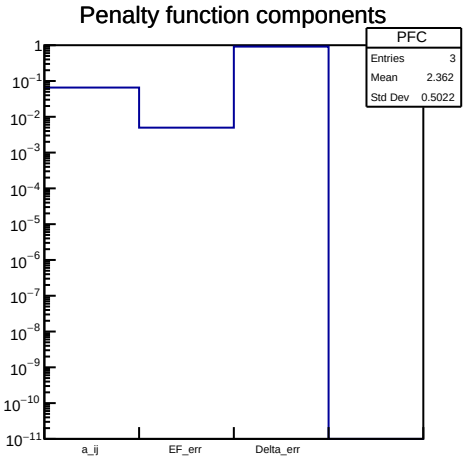
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

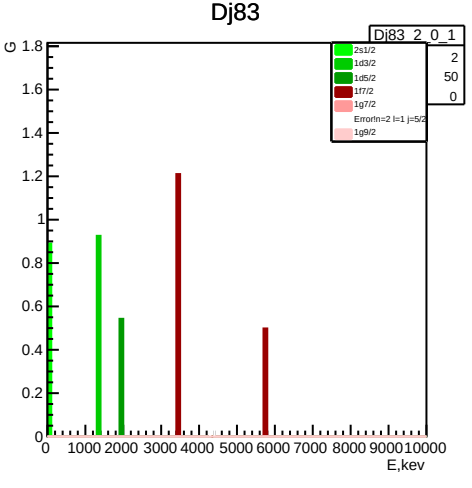
-10873.7 1d5/2 0.951667 1.08333

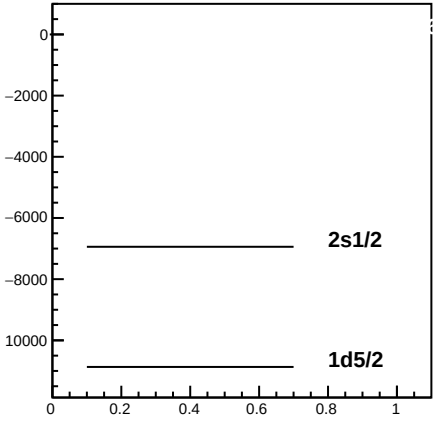
-6666.9 2s1/2 0.42 0.84











Experiment: Pe87 (4) Dj83 (12)

proton transfer

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

E_F: -7129.48 ± 4060.47 keV

Δ: -1780.51 ± 20383.5 keV

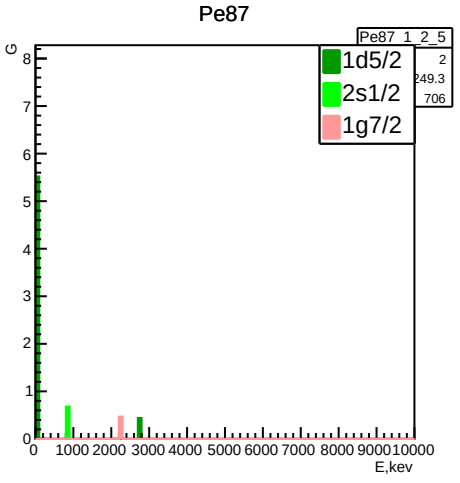
penalty: 0.328479

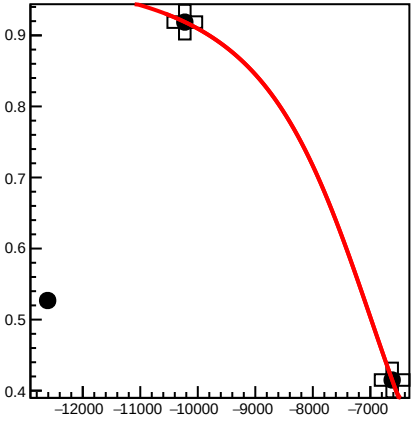
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

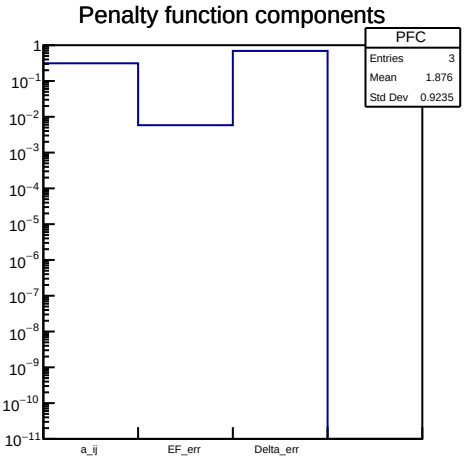
-10869.2 1d5/2 0.951425 1.08382

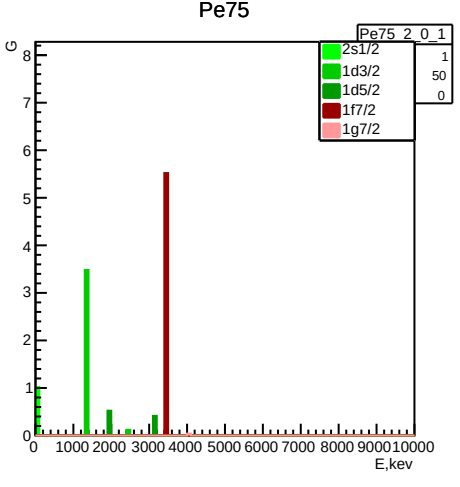
-6941.41 2s1/2 0.4475 0.785

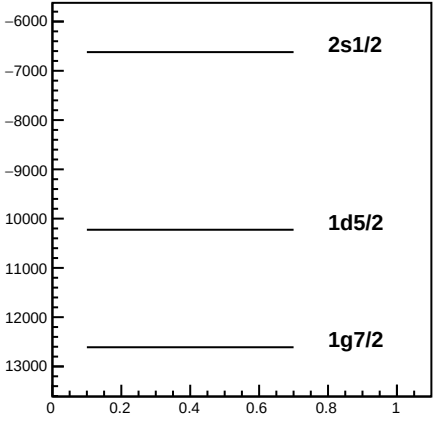
0 Error!n=161 l=0 j=0/2 0 9.51639e-114











Experiment: Pe87 (4) Pe75 (7)

proton transfer

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

E_F: -6985.24 ± 4757.44 keV

Δ: -2112.92 ± 15422.1 keV

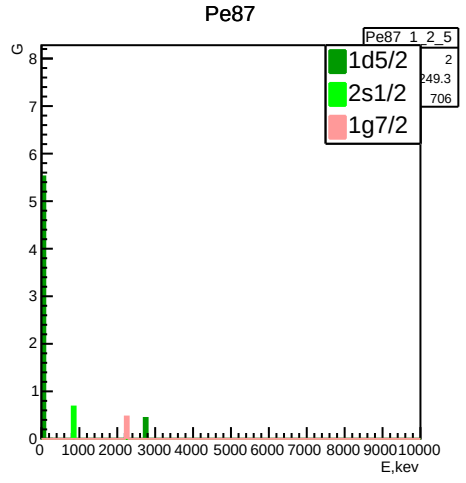
penalty: 0.336774

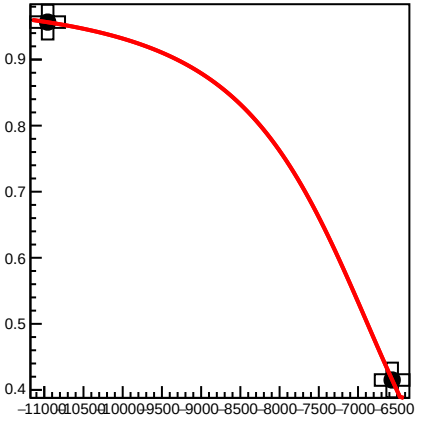
SPE,keV nlj OCC $\frac{G^{+}+G^{-}}{2J+1}$

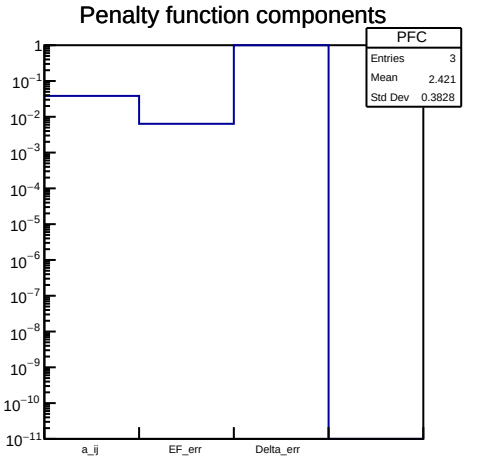
-10225.8 1d5/2 0.918667 1.14933

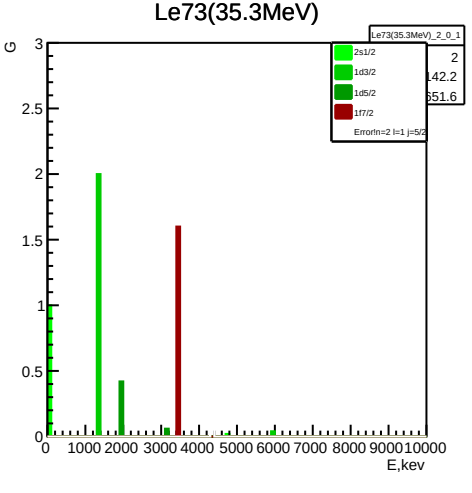
-6620.8 2s1/2 0.415 0.85

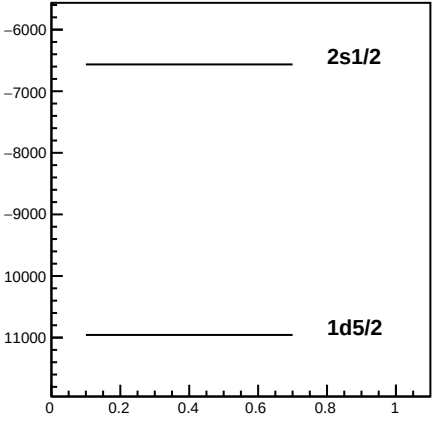
-12610.4 1g7/2 0.526875 0.06375











Experiment: Pe87 (4) Le73(35.3MeV) (8)

proton transfer

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

E_F: -6878.61 ± 5200.51 keV

Δ: 1822.88 ± 22280.2 keV

penalty: 0.348234

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

-10956.9 1d5/2 0.956667 1.07333

-6564.82 2s1/2 0.415 0.85