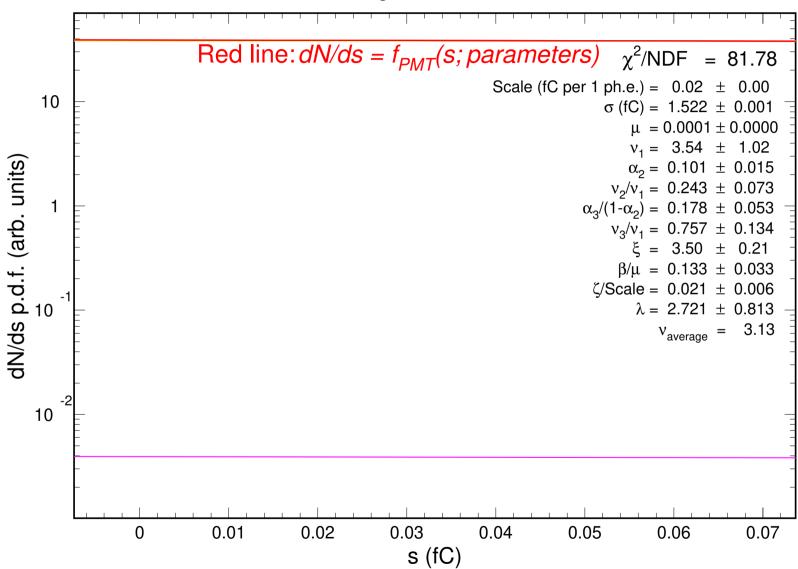
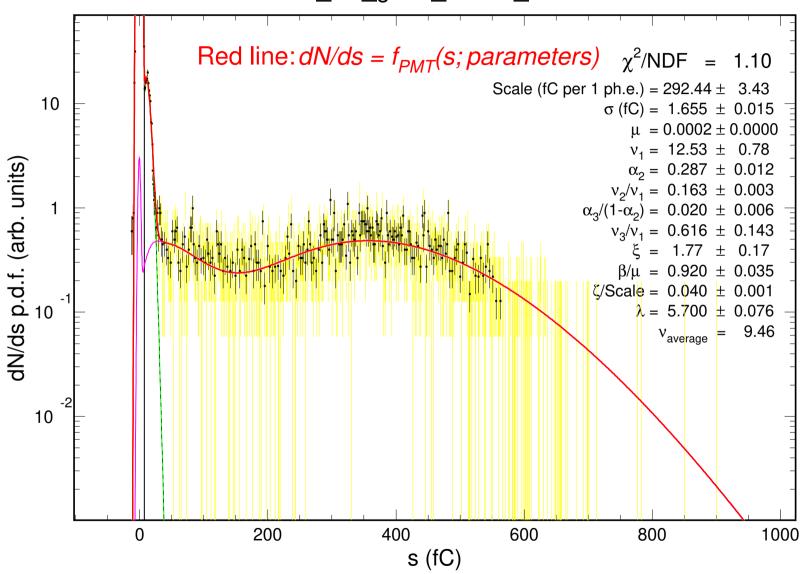
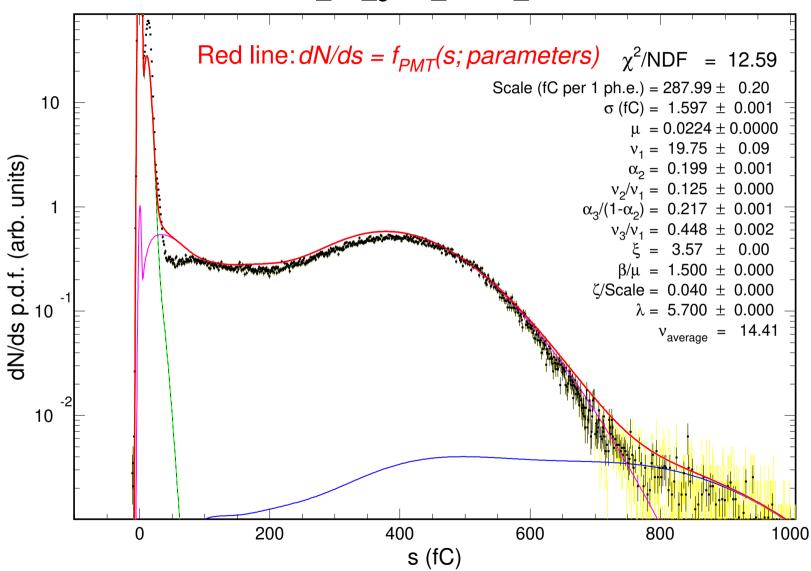
GA0516_w1_g064_v1000_t227.01.txt



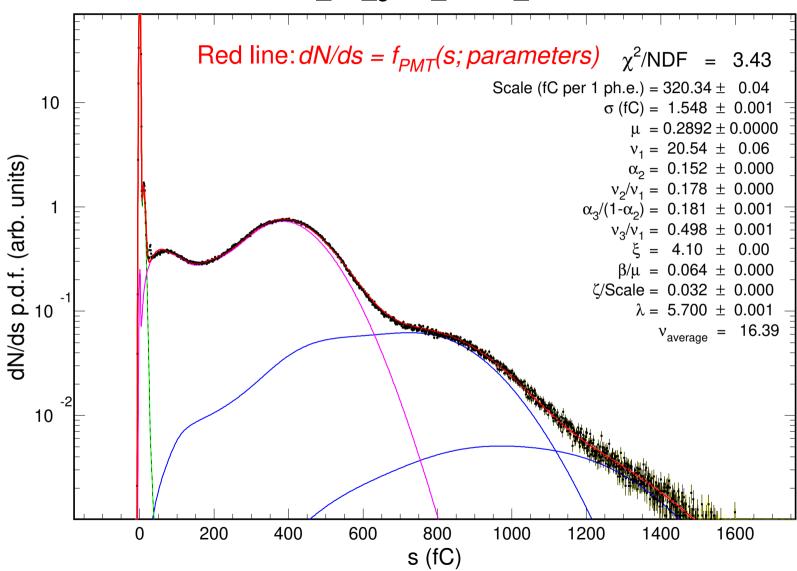
GA0516_w1_g064_v1000_t227.02.txt



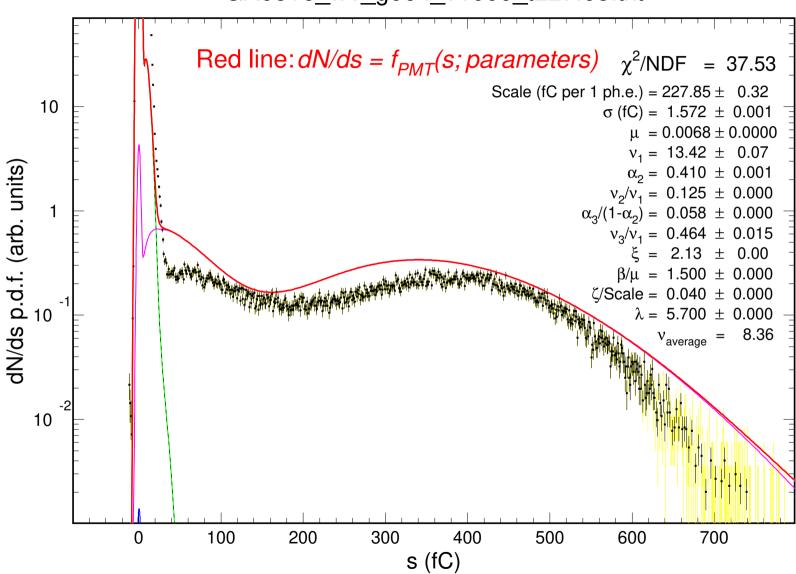
GA0516_w1_g064_v1000_t227.03.txt



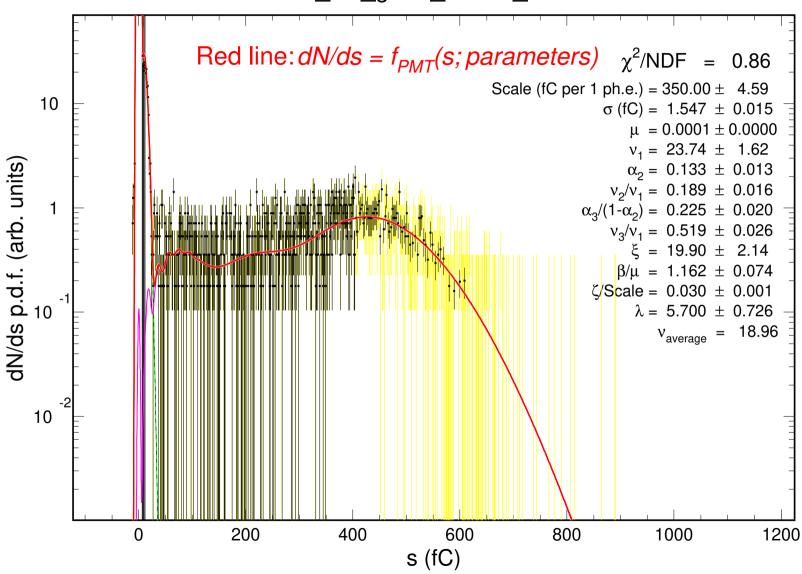
GA0516_w1_g064_v1000_t227.04.txt



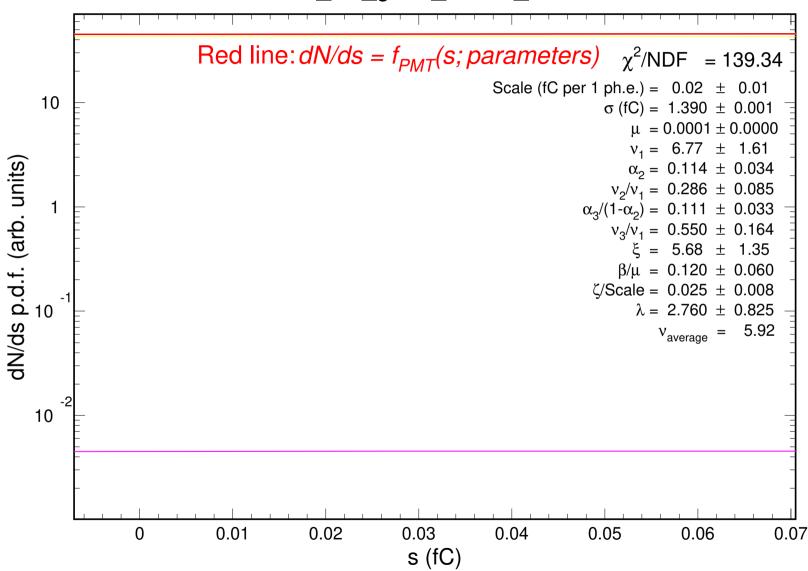
GA0516_w1_g064_v1000_t227.05.txt



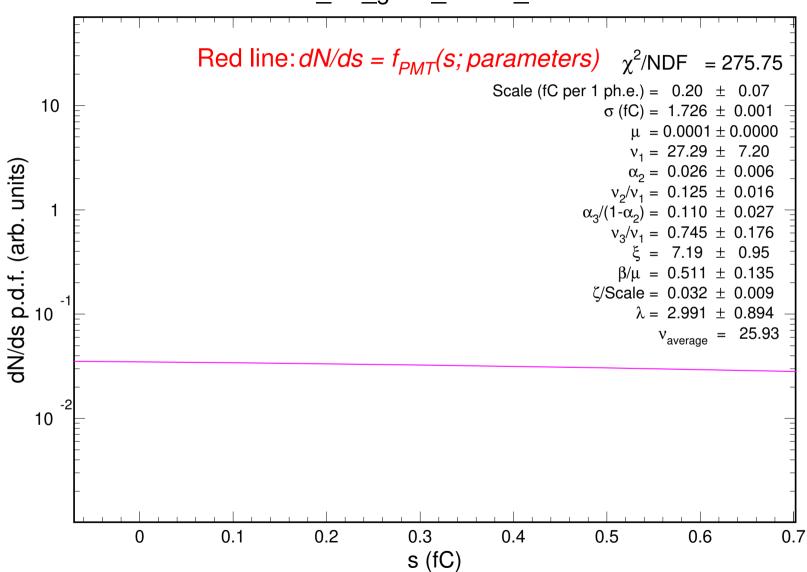
GA0516_w1_g064_v1000_t227.06.txt



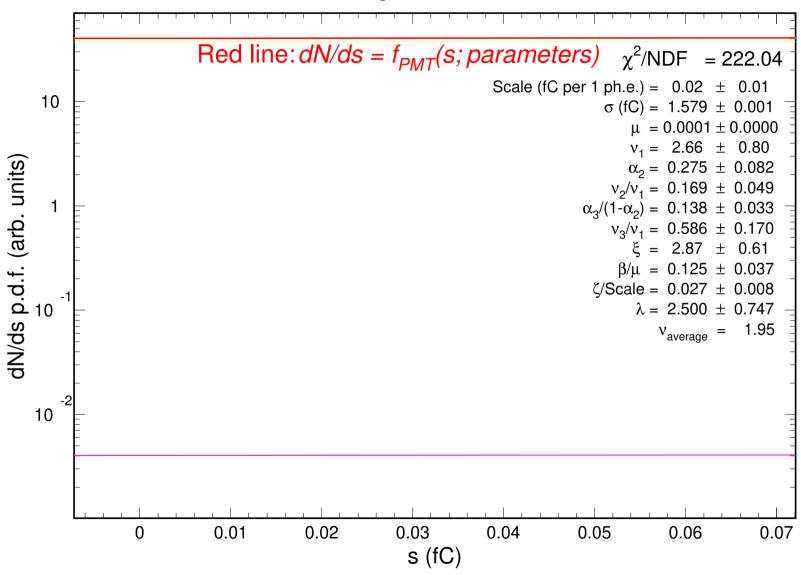
GA0516_w1_g064_v1000_t227.07.txt



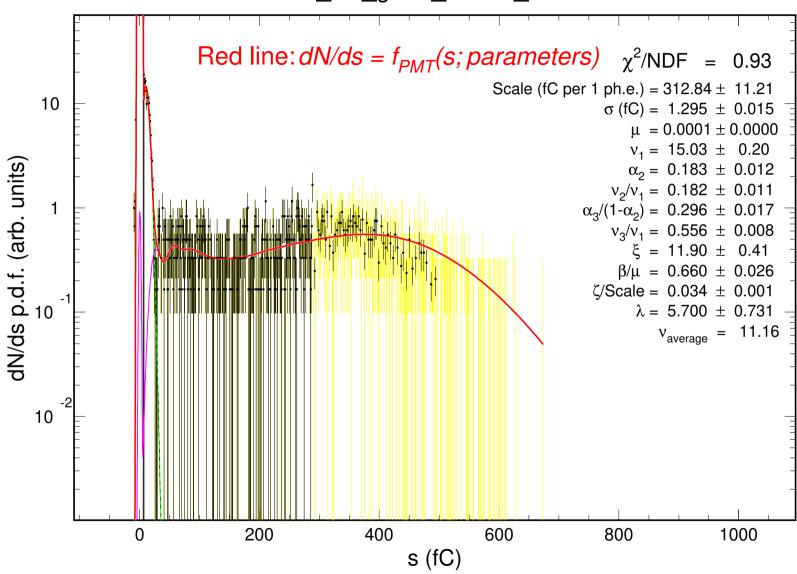
GA0516_w1_g064_v1000_t227.08.txt



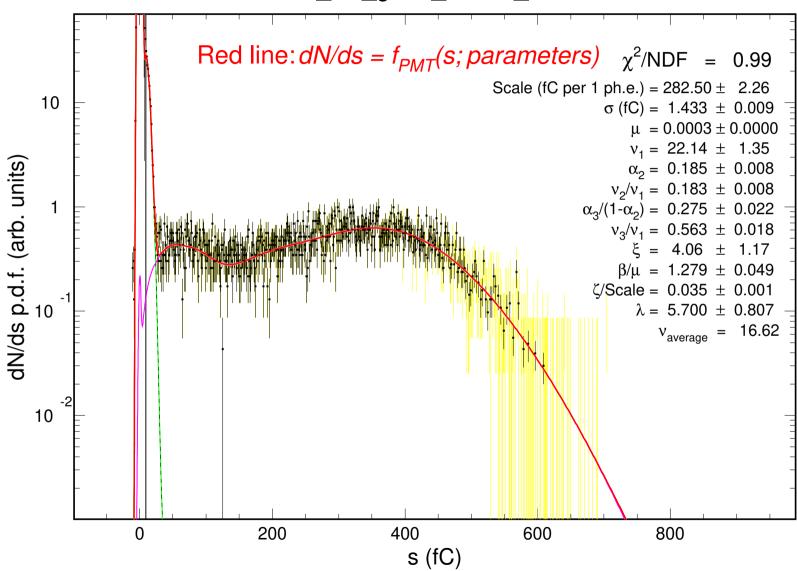
GA0516_w1_g064_v1000_t227.09.txt



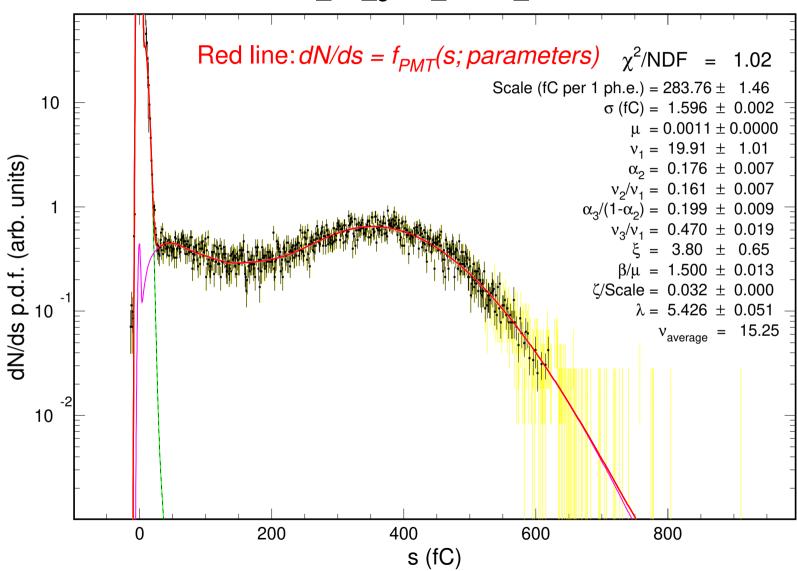
GA0516_w1_g064_v1000_t227.10.txt



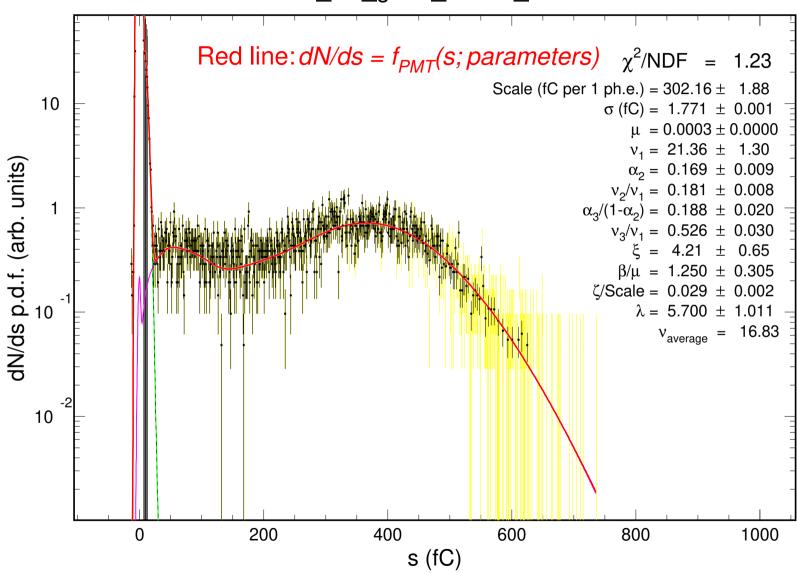
GA0516_w1_g064_v1000_t227.11.txt



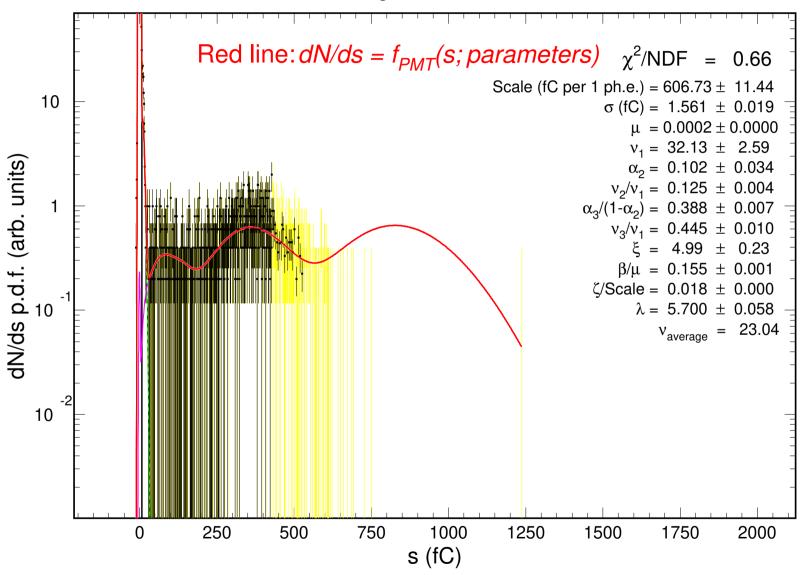
GA0516_w1_g064_v1000_t227.12.txt



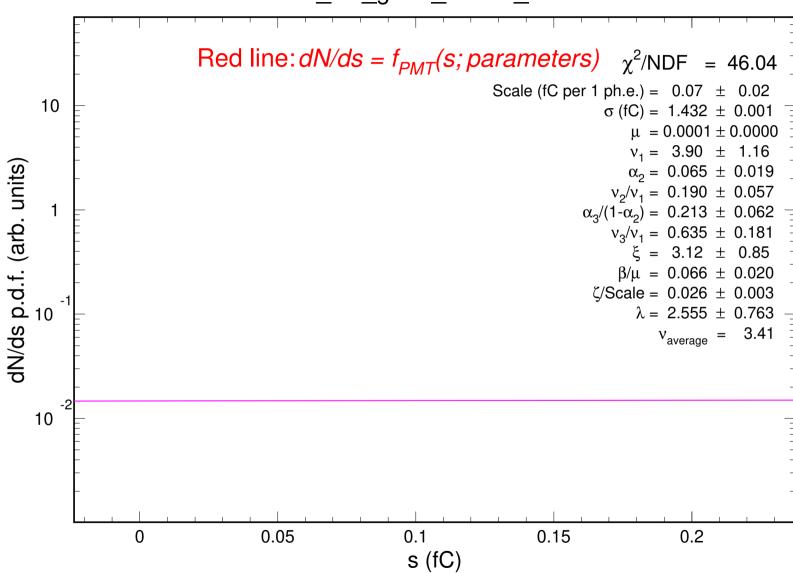
GA0516_w1_g064_v1000_t227.13.txt

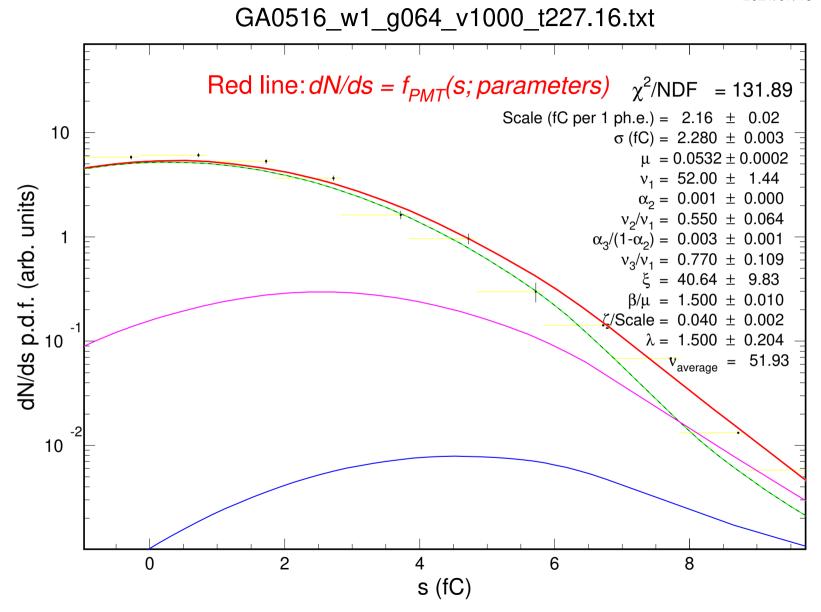


GA0516_w1_g064_v1000_t227.14.txt

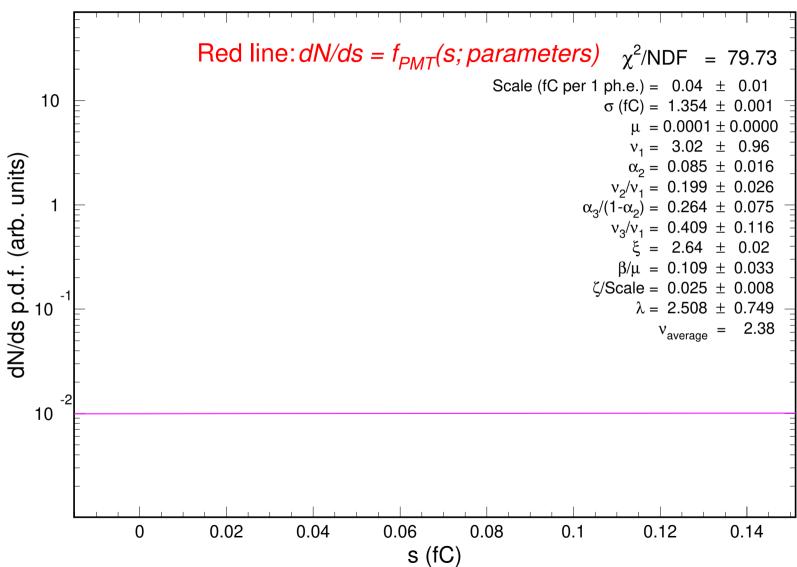


GA0516_w1_g064_v1000_t227.15.txt

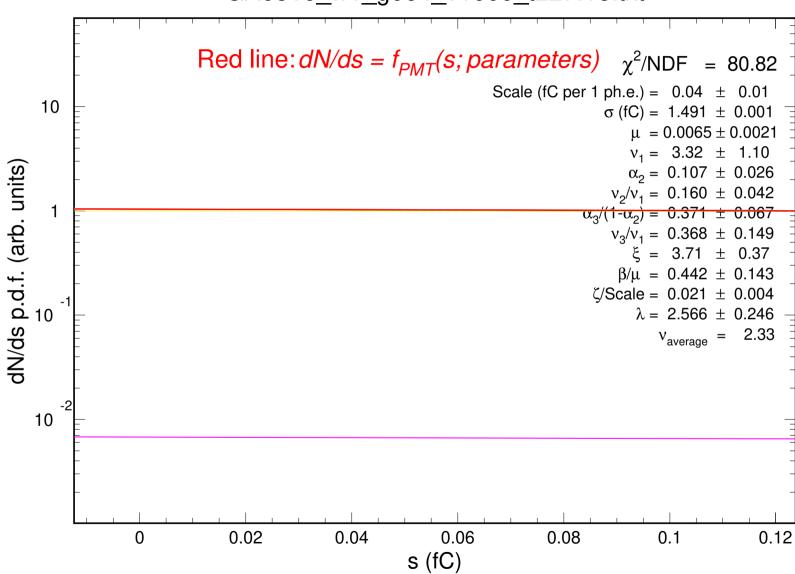




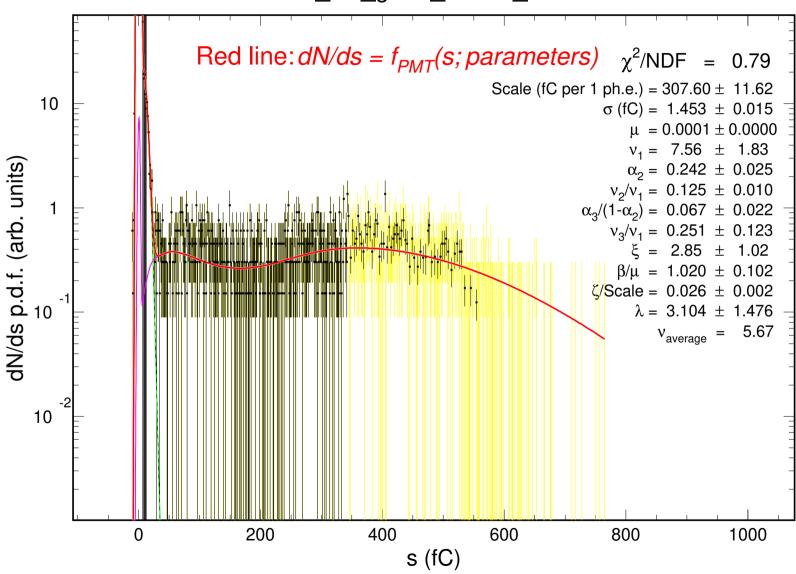
GA0516_w1_g064_v1000_t227.17.txt



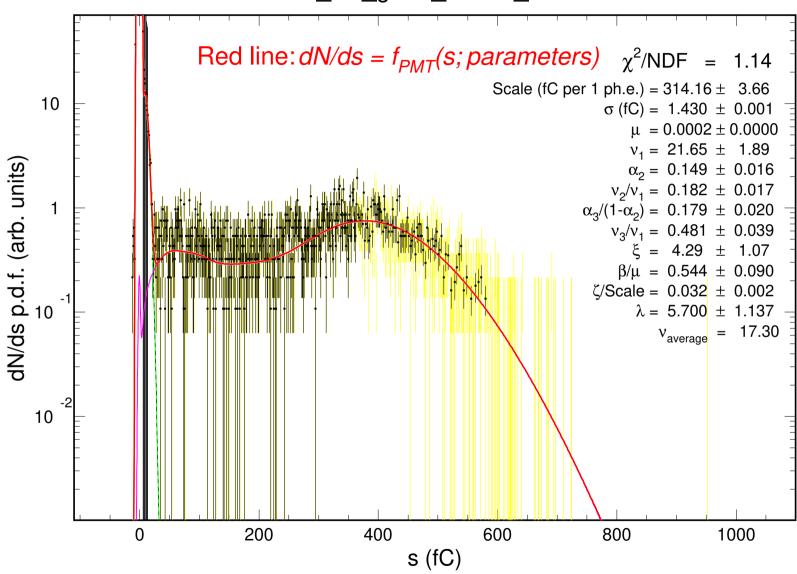
GA0516_w1_g064_v1000_t227.18.txt



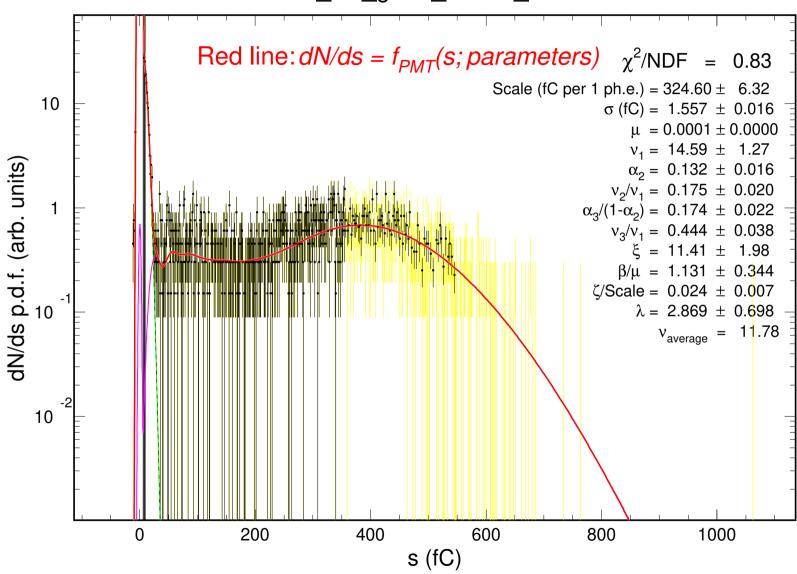
GA0516_w1_g064_v1000_t227.19.txt



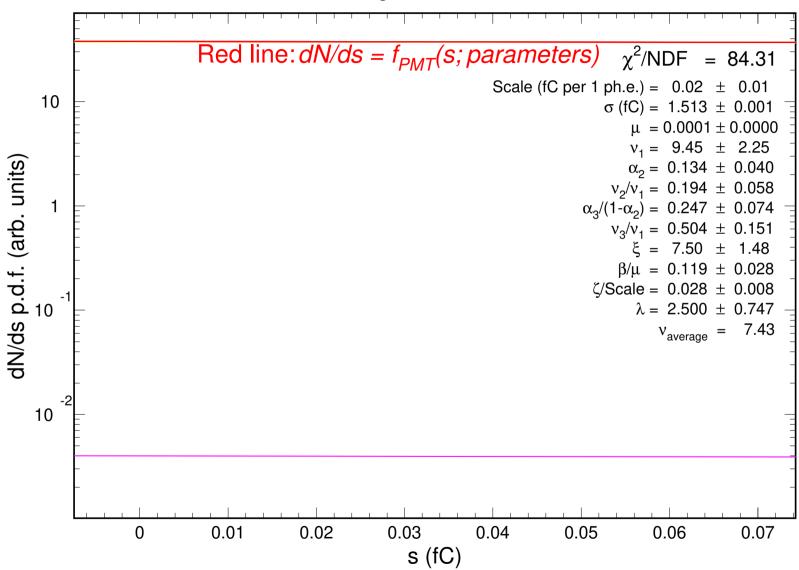
GA0516_w1_g064_v1000_t227.20.txt



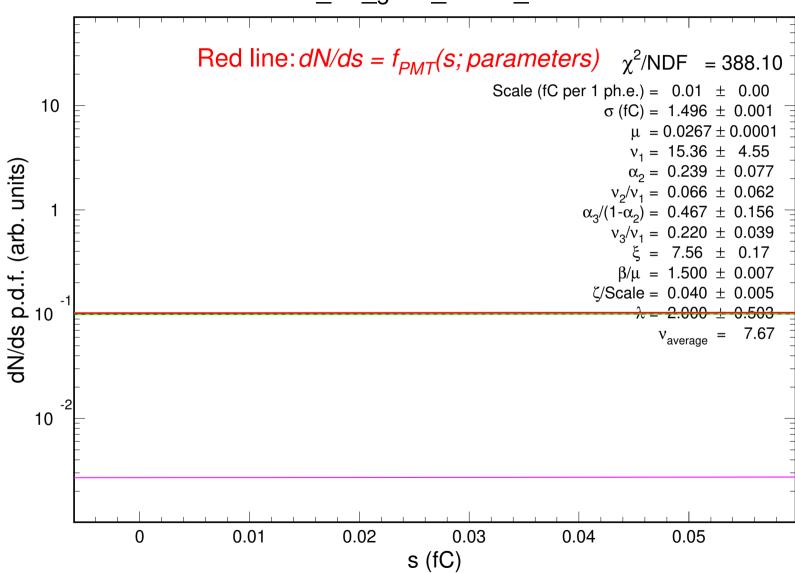
GA0516_w1_g064_v1000_t227.21.txt



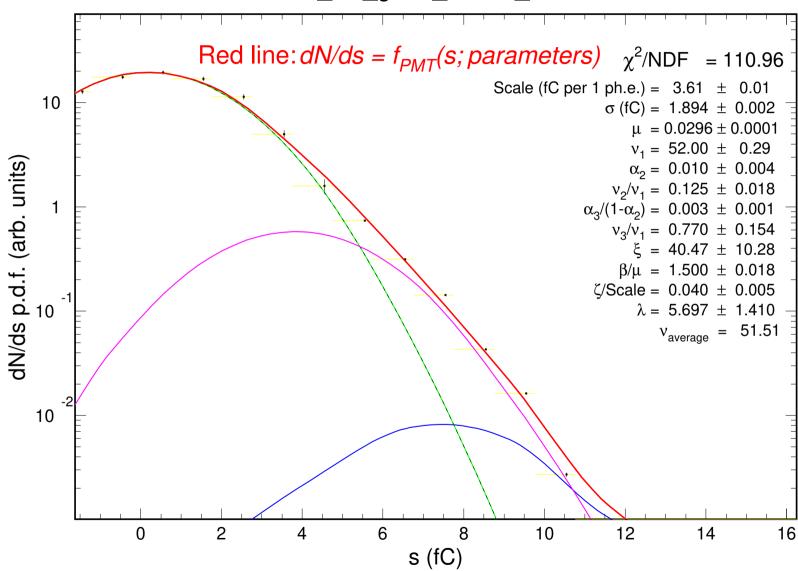
GA0516_w1_g064_v1000_t227.22.txt



GA0516_w1_g064_v1000_t227.23.txt



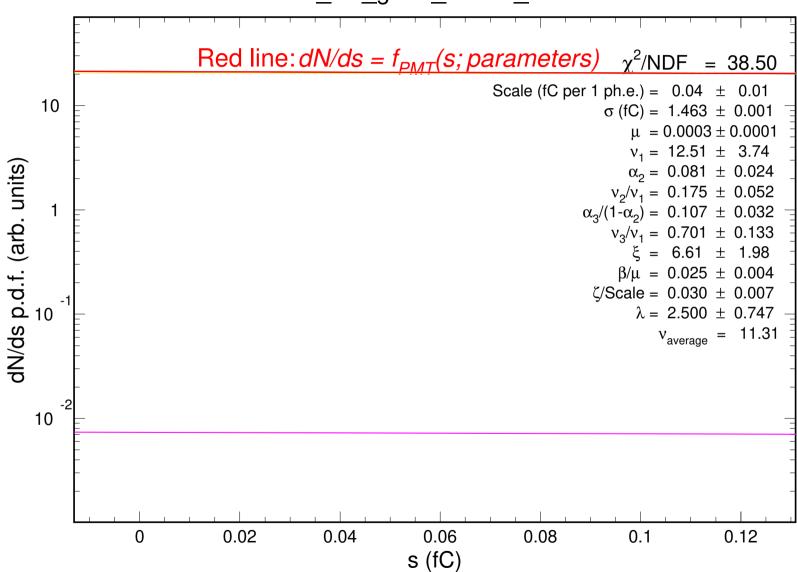
GA0516_w1_g064_v1000_t227.24.txt



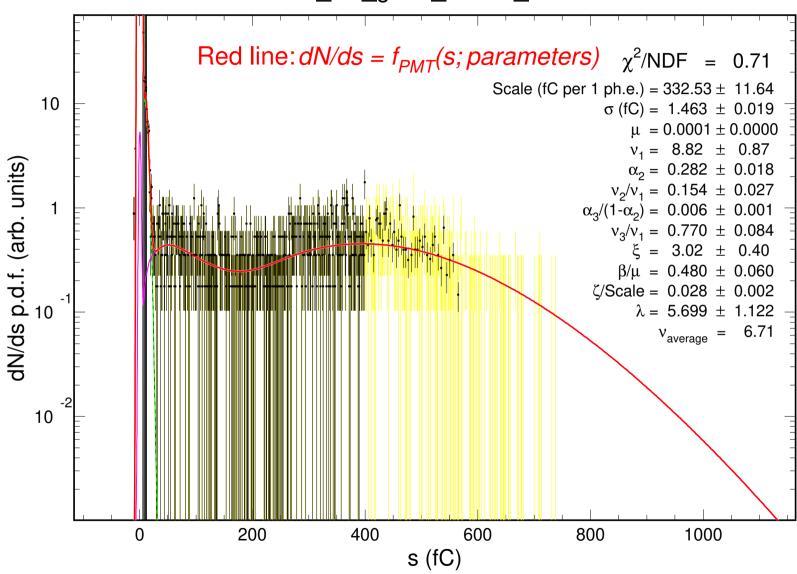
GA0516_w1_g064_v1000_t227.25.txt Red line: $dN/ds = f_{PMT}(s; parameters)$ $\chi^2/NDF = 59.38$ Scale (fC per 1 ph.e.) = 0.13 ± 0.02 10 σ (fC) = 1.153 ± 0.001 $\mu = 0.0066 \pm 0.0018$ $v_1 = 8.17 \pm 3.15$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.065 \pm 0.016$ $v_2/v_1 = 0.110 \pm 0.037$ $\alpha_3/(1-\alpha_2) = 0.722 \pm 0.240$ $v_3/v_1 = 0.248 \pm 0.122$ $\xi = 6.05 \pm 2.90$ $\beta/\mu = 0.873 \pm 0.242$ $\zeta/\text{Scale} = 0.022 \pm 0.005$ $\lambda = 2.829 \pm 0.673$ $v_{average} = 3.55$ 10 0.1 0.2 0.3 0.4 0 s (fC)

GA0516_w1_g064_v1000_t227.26.txt Red line: $dN/ds = f_{PMT}(s; parameters) \chi^2/NDF = 36.19$ Scale (fC per 1 ph.e.) = 0.02 ± 0.00 10 σ (fC) = 1.404 ± 0.001 $\mu = 0.0266 \pm 0.0006$ $v_1 = 34.08 \pm 5.74$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.793 \pm 0.217$ $v_2/v_1 = 0.021 \pm 0.102$ $\alpha_3/(1-\alpha_2) = 0.153 \pm 0.069$ $v_3/v_1 = 0.220 \pm 0.039$ $\xi = 9.06 \pm 0.26$ $\beta/\mu = 1.500 \pm 0.032$ ζ/S cale = 0.040 ± 0.005 $\lambda = 2.000 \pm 0.482$ $v_{average} = 6.79$ 10 0.02 0.04 0.06 0.08 0 s (fC)

GA0516_w1_g064_v1000_t227.27.txt

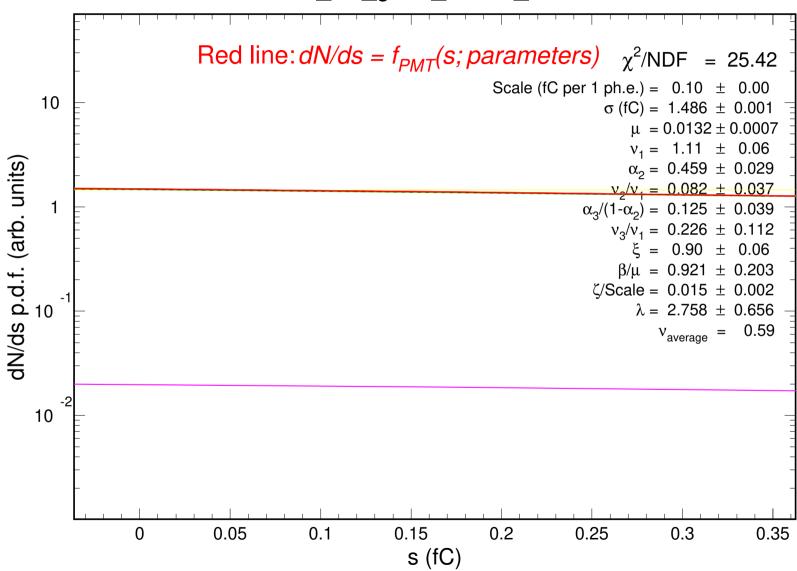


GA0516_w1_g064_v1000_t227.28.txt

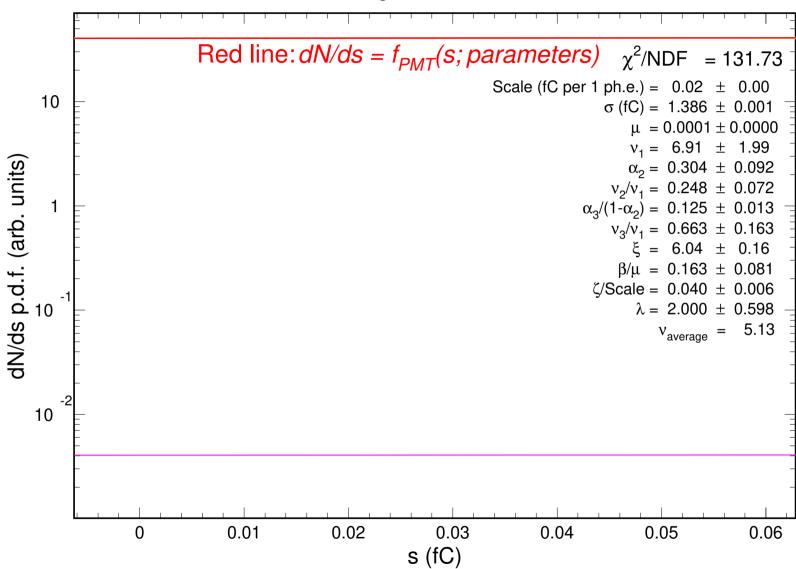


GA0516_w1_g064_v1000_t227.29.txt Red line: $dN/ds = f_{PMT}(s; parameters)$ $\chi^2/NDF = 60.58$ Scale (fC per 1 ph.e.) = 0.01 ± 0.01 10 σ (fC) = 1.560 \pm 0.001 $\mu = 0.0266 \pm 0.0009$ $v_1 = 17.80 \pm 3.91$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.681 \pm 0.148$ $v_2/v_1 = 0.020 \pm 0.094$ $\alpha_3/(1-\alpha_2) = 0.149 \pm 0.031$ $v_3/v_1 = 0.221 \pm 0.028$ $\xi = 7.03 \pm 0.53$ $\beta/\mu = 1.500 \pm 0.049$ ζ /Scale = 0.037 ± 0.006 $\lambda = 2.730 \pm 0.663$ $v_{average} = 5.27$ 10 0.01 0.02 0.03 0.04 0.05 0 s (fC)

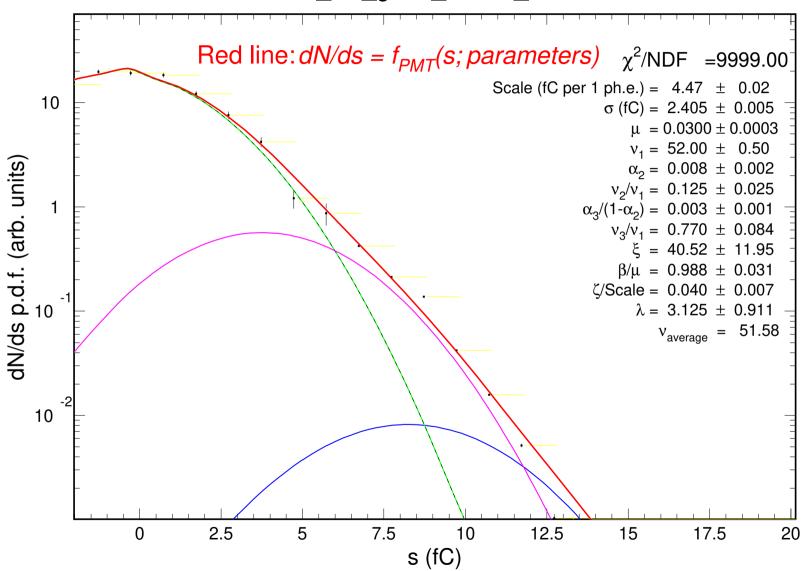
GA0516_w1_g064_v1000_t227.30.txt



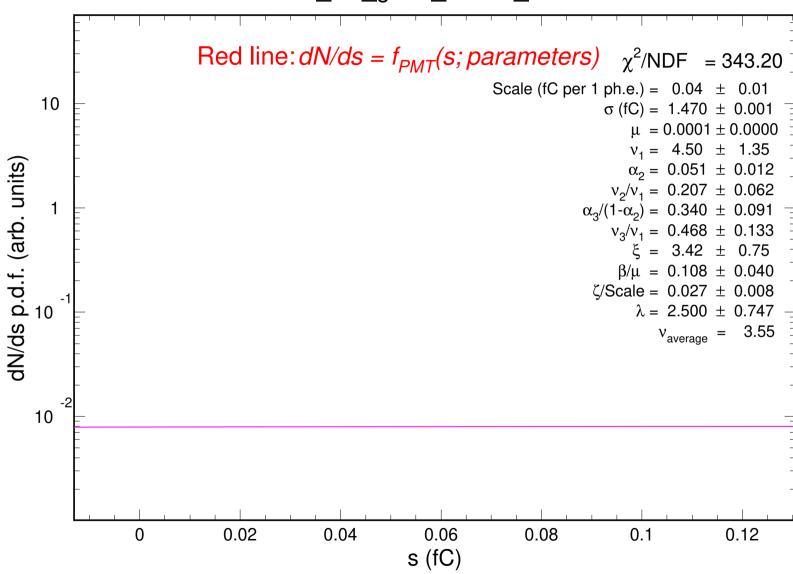
GA0516_w1_g064_v1000_t227.31.txt



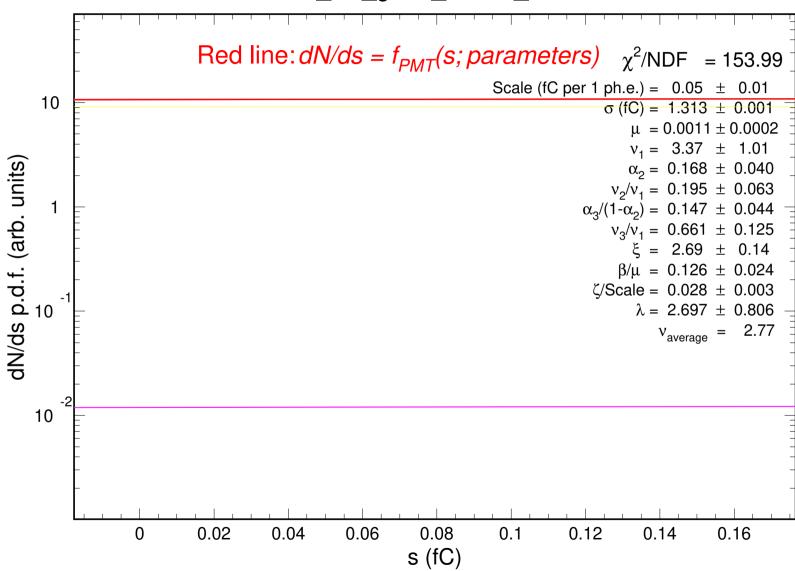
GA0516_w1_g064_v1000_t227.32.txt



GA0516_w1_g064_v1000_t227.33.txt

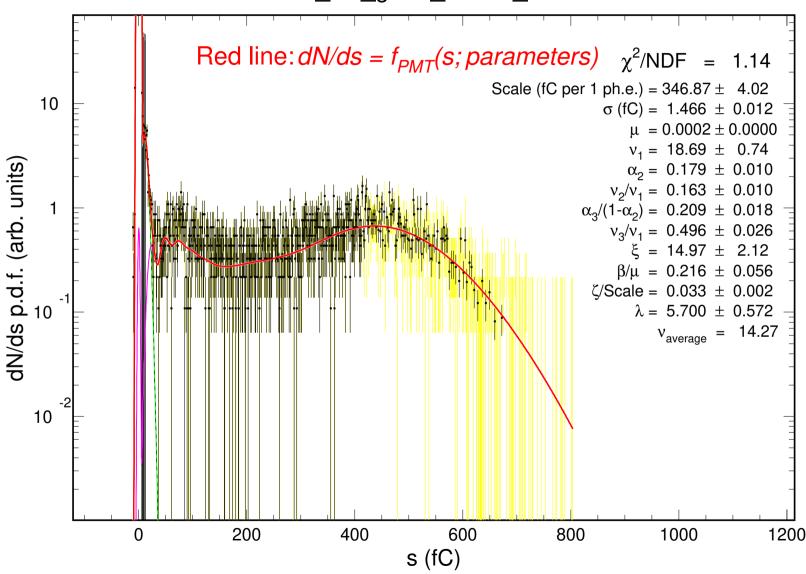


GA0516_w1_g064_v1000_t227.34.txt

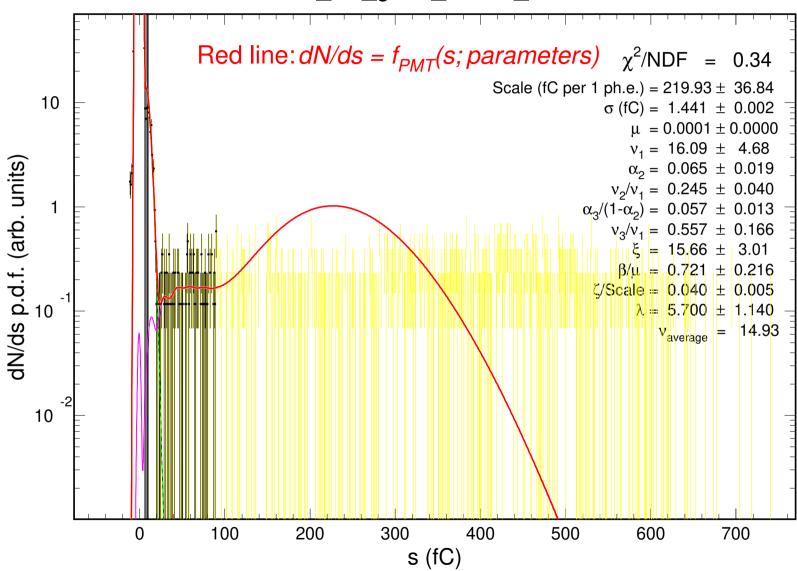


GA0516_w1_g064_v1000_t227.35.txt Red line: $dN/ds = f_{PMT}(s; parameters) \chi^2/NDF = 34.47$ Scale (fC per 1 ph.e.) = 0.05 ± 0.01 10 σ (fC) = 1.457 ± 0.001 $\mu = 0.0265 \pm 0.0017$ $v_1 = 47.04 \pm 13.74$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.041 \pm 0.012$ $v_2/v_1 = 0.258 \pm 0.026$ $\alpha_3/(1-\alpha_2) = 0.150 \pm 0.025$ $v_3/v_1 = 0.337 \pm 0.119$ = 11.36 + 1.85 $\beta/\mu = 1.500 \pm 0.205$ ζ /Scale = 0.015 ± 0.002 $\lambda = 2.556 \pm 0.764$ $v_{average} = 41.15$ 10 0.05 0.1 0.15 0.2 0 s (fC)

GA0516_w1_g064_v1000_t227.36.txt

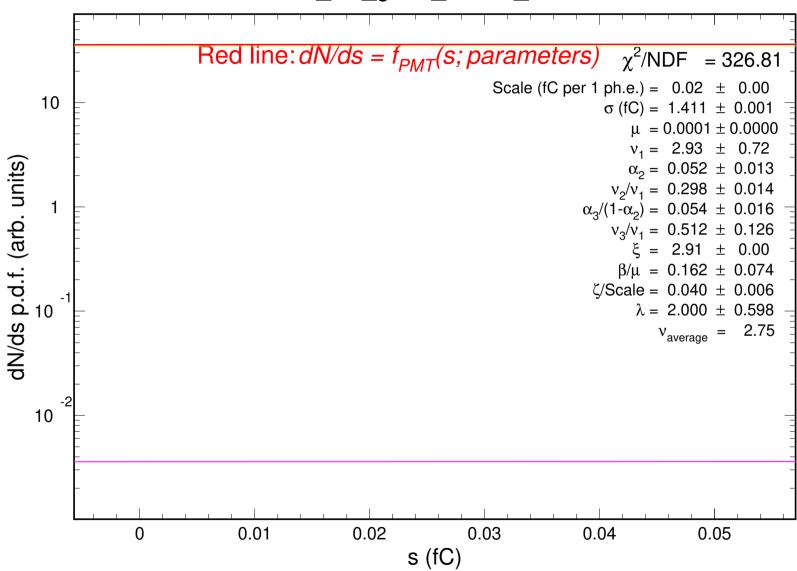


GA0516_w1_g064_v1000_t227.37.txt

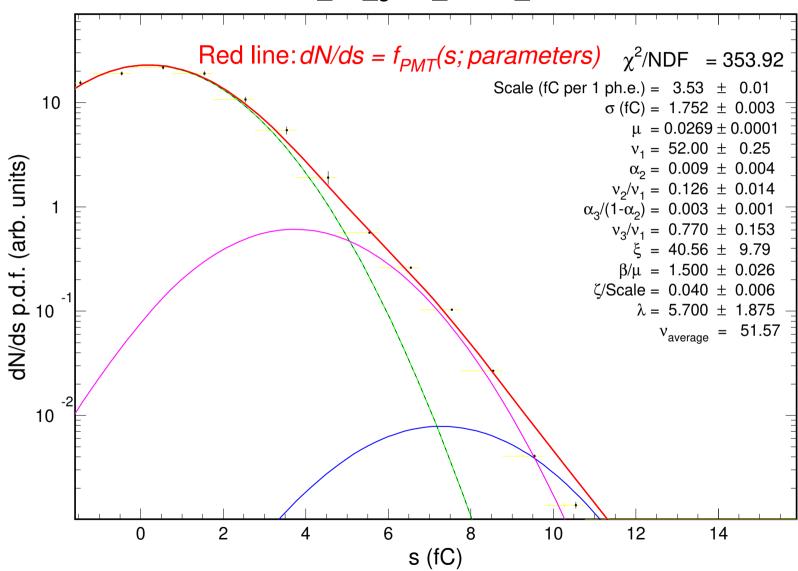


GA0516_w1_g064_v1000_t227.38.txt Red line: $dN/ds = f_{PMT}(s; parameters) \chi^2/NDF = 617.70$ Scale (fC per 1 ph.e.) = 0.01 ± 0.00 10 σ (fC) = 1.522 ± 0.001 $\mu = 0.0266 \pm 0.0001$ $v_1 = 12.42 \pm 4.01$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.398 \pm 0.127$ $v_2/v_1 = 0.085 \pm 0.071$ $\alpha_2/(1-\alpha_2) = 0.484 \pm 0.154$ $v_3/v_1 = 0.220 \pm 0.037$ $\xi = 5.71 \pm 1.62$ $\beta/\mu~=~1.500~\pm~0.005$ ζ /Scale = 0.039 ± 0.007 $\lambda = 2.000 \pm 0.306$ ¥average 10 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0 s (fC)

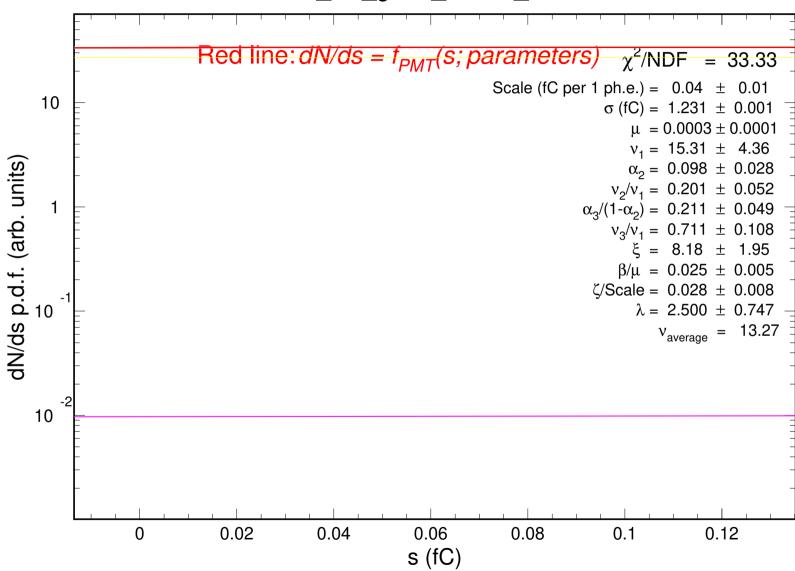
GA0516_w1_g064_v1000_t227.39.txt



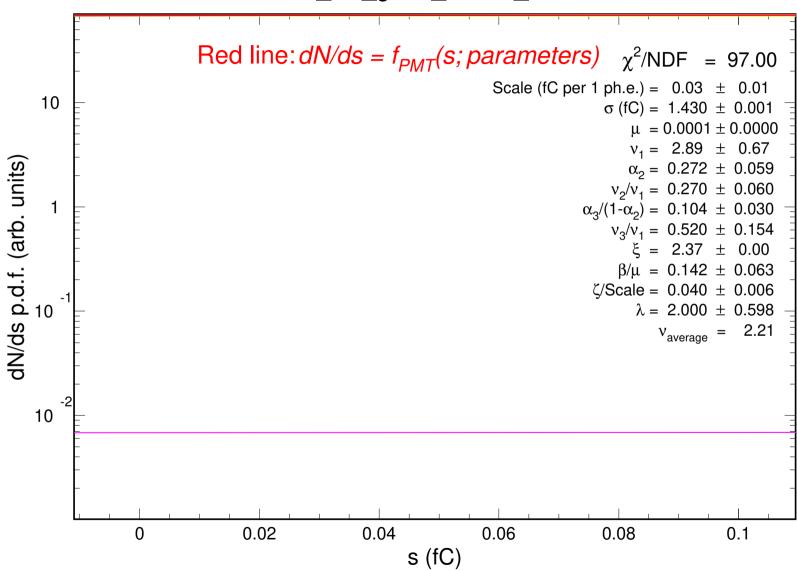
GA0516_w1_g064_v1000_t227.40.txt



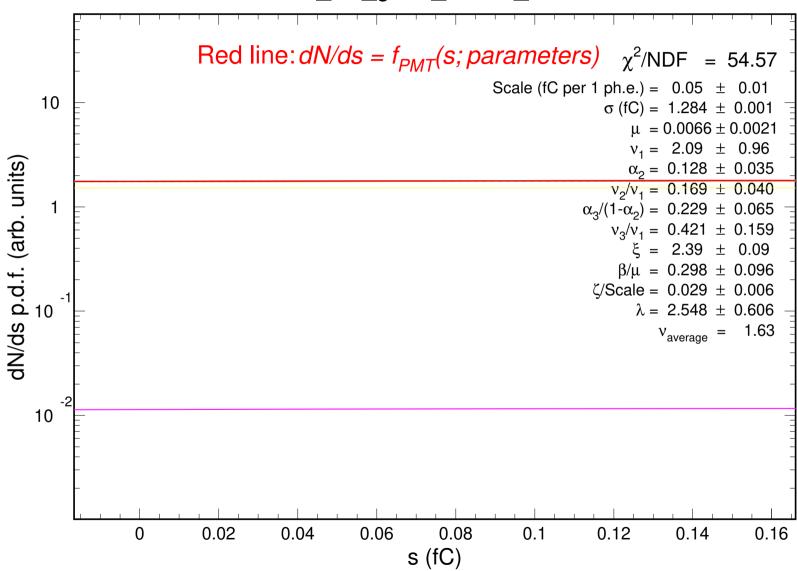
GA0516_w1_g064_v1000_t227.41.txt



GA0516_w1_g064_v1000_t227.42.txt



GA0516_w1_g064_v1000_t227.43.txt

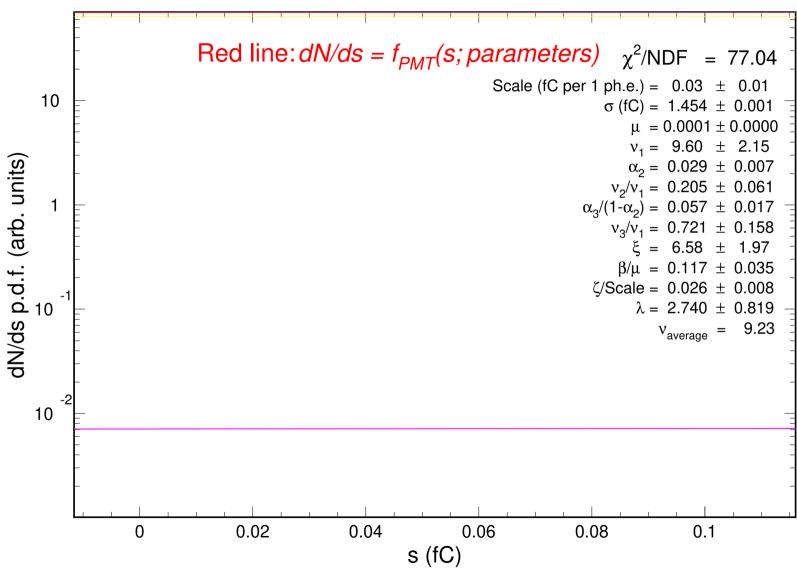


GA0516_w1_g064_v1000_t227.44.txt Red line: $dN/ds = f_{PMT}(s; parameters) \chi^2/NDF = 104.35$ Scale (fC per 1 ph.e.) = 0.15 ± 0.00 10 σ (fC) = 1.515 ± 0.001 $\mu = 0.0266 \pm 0.0001$ $v_1 = 2.50 \pm 0.02$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.131 \pm 0.014$ $v_2/v_1 = 0.125 \pm 0.015$ $\alpha_3/(1-\alpha_2) = 0.950 \pm 0.005$ $v_3/v_1 = 0.371 \pm 0.003$ $\xi = 0.26 \pm 0.00$ $\beta/\mu = 1.500 \pm 0.011$ ζ /Scale = 0.040 ± 0.005 $\lambda = 2.469 \pm 0.595$ $v_{average} = 0.91$ 10 0.1 0.2 0.3 0.4 0.5 0.6 0

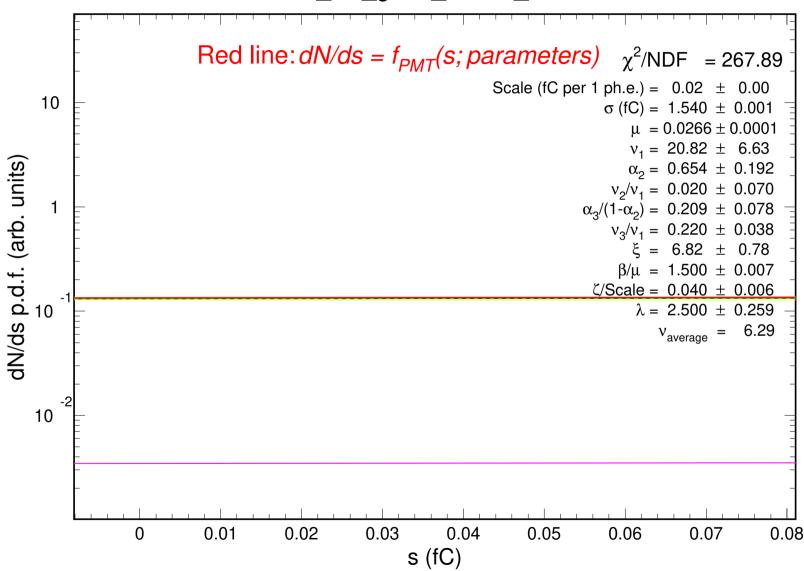
s (fC)

GA0516_w1_g064_v1000_t227.45.txt Red line: $dN/ds = f_{PMT}(s; parameters)$ $\chi^2/NDF = 589.92$ Scale (fC per 1 ph.e.) = 0.16 ± 0.04 10 σ (fC) = 1.682 ± 0.001 $\mu = 0.0001 \pm 0.0000$ $v_1 = 23.42 \pm 6.76$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.019 \pm 0.005$ $v_2/v_1 = 0.247 \pm 0.074$ $\alpha_2/(1-\alpha_2) = 0.121 \pm 0.029$ $v_3/v_1 = 0.648 \pm 0.187$ $\xi = 5.92 \pm 1.34$ $\beta/\mu = 0.130 \pm 0.048$ ζ /Scale = 0.015 ± 0.003 $\lambda = 2.500 \pm 0.747$ $v_{average} = 22.11$ 10 0.1 0.2 0.3 0.4 0.5 0 s (fC)

GA0516_w1_g064_v1000_t227.46.txt



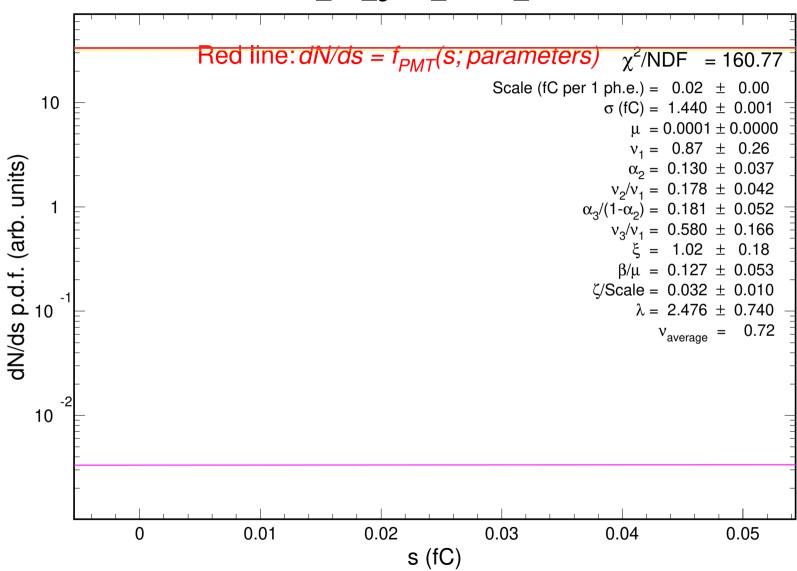
GA0516_w1_g064_v1000_t227.47.txt



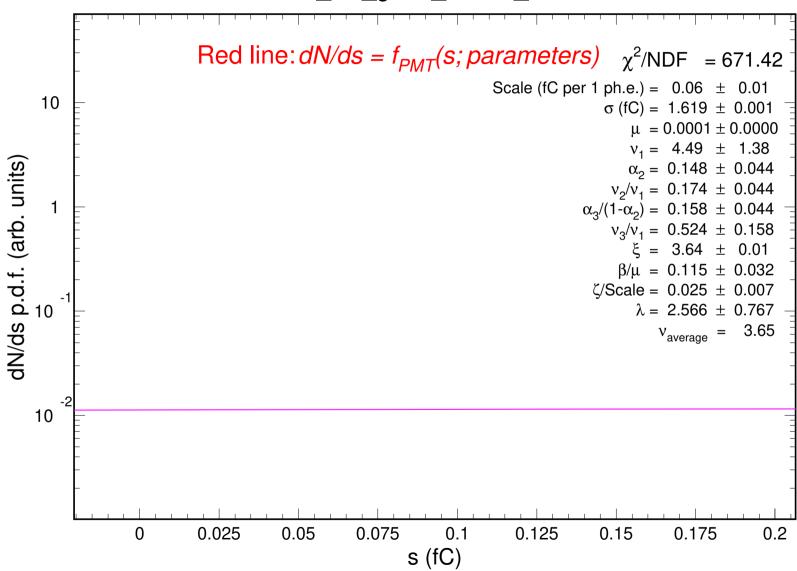
GA0516_w1_g064_v1000_t227.48.txt Red line: $dN/ds = f_{PMT}(s; parameters)$ $\chi^2/NDF = 97.98$ Scale (fC per 1 ph.e.) = 0.02 ± 0.00 10 σ (fC) = 1.409 ± 0.001 $\mu = 0.0266 \pm 0.0004$ $v_1 = 16.95 \pm 4.89$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.393 \pm 0.070$ $v_2/v_1 = 0.125 \pm 0.024$ $\alpha_3/(1-\alpha_2) = 0.104 \pm 0.026$ $v_3/v_1 = 0.294 \pm 0.146$ $\xi = 9.80 \pm 0.02$ $\beta/\mu = 1.500 \pm 0.021$ $\zeta/\text{Scale} = 0.040 \pm 0.006$ $\lambda = 2.000 \pm 0.484$ $v_{average} = 10.37$ 10 0.02 0.04 0.06 0.08 0

s (fC)

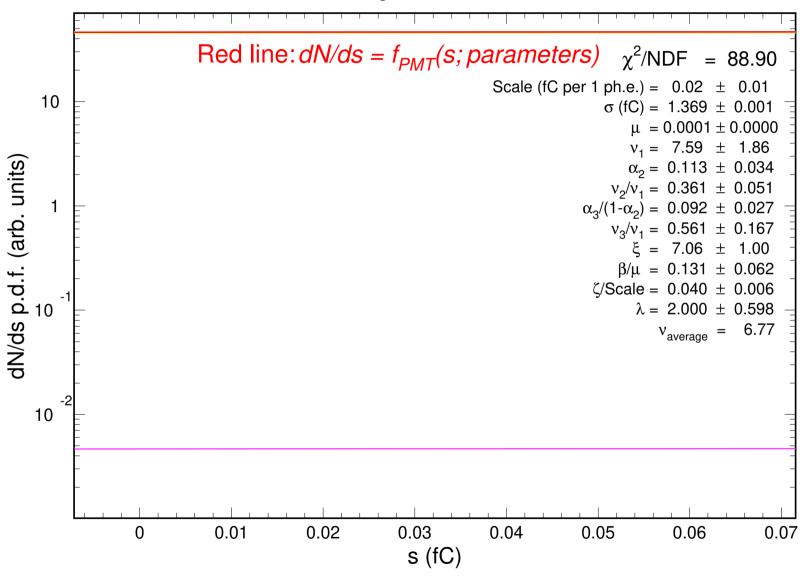
GA0516_w1_g064_v1000_t227.49.txt



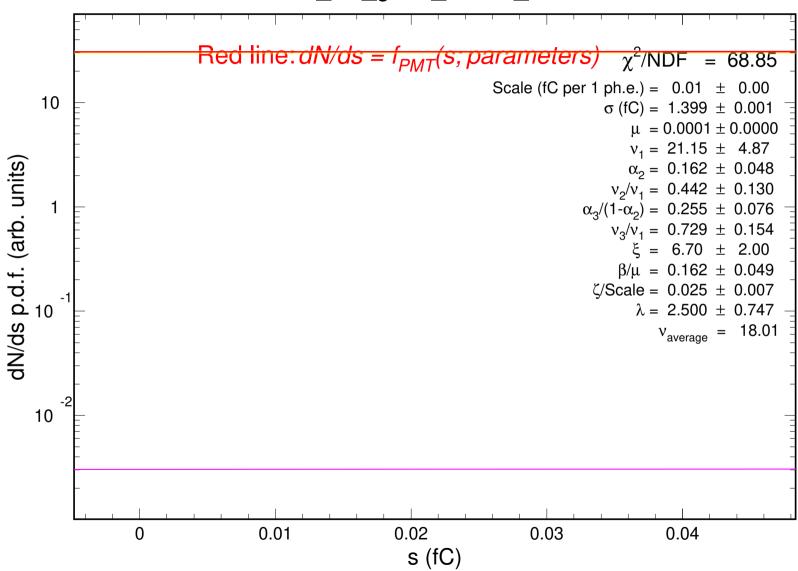
GA0516_w1_g064_v1000_t227.50.txt



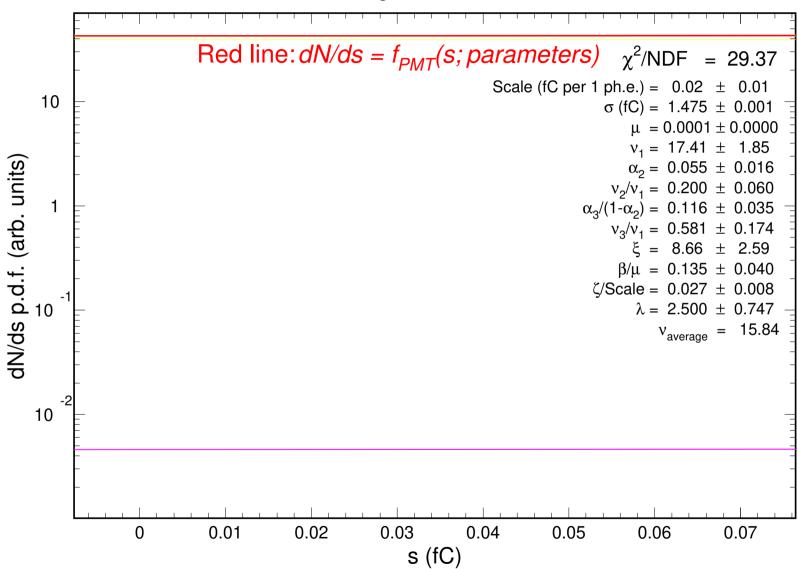
GA0516_w1_g064_v1000_t227.51.txt



GA0516_w1_g064_v1000_t227.52.txt

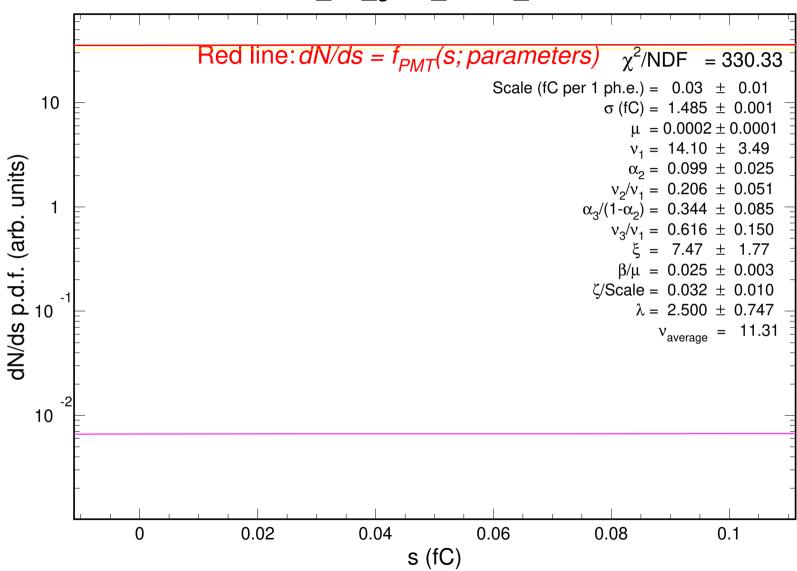


GA0516_w1_g064_v1000_t227.53.txt



GA0516_w1_g064_v1000_t227.54.txt Red line: $dN/ds = f_{PMT}(s; parameters)$ $\chi^2/NDF = 324.90$ Scale (fC per 1 ph.e.) = 0.07 ± 0.02 10 σ (fC) = 1.573 \pm 0.001 $\mu = 0.0133 \pm 0.0004$ $v_1 = 26.43 \pm 6.13$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.080 \pm 0.021$ $v_2/v_1 = 0.125 \pm 0.042$ -0.089 ± 0.027 $v_3/v_1 = 0.740 \pm 0.117$ $\xi = 13.69 \pm 4.13$ $\beta/\mu = 1.500 \pm 0.039$ ζ /Scale = 0.040 ± 0.008 $\lambda = 2.500 \pm 0.259$ $v_{average} = 24.01$ 10 0.05 0.1 0.15 0.2 0 s (fC)

GA0516_w1_g064_v1000_t227.55.txt



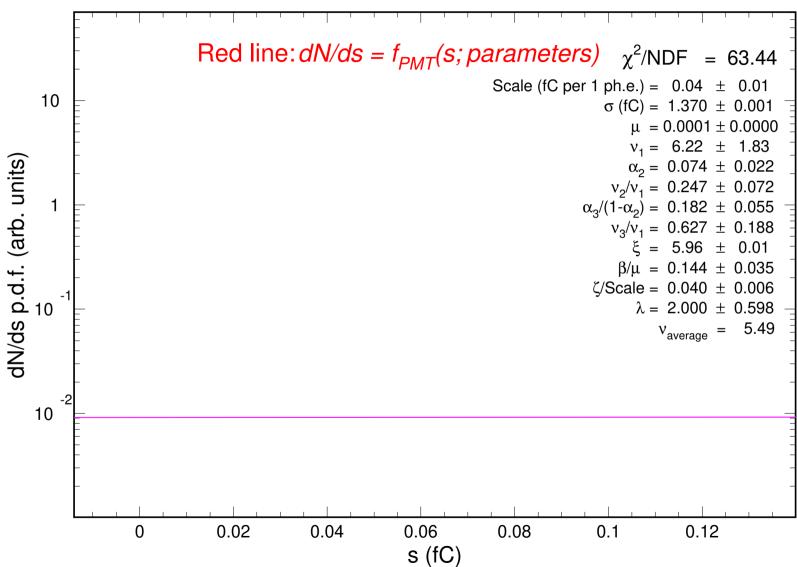
GA0516_w1_g064_v1000_t227.56.txt Red line: $dN/ds = f_{PMT}(s; parameters)$ $\chi^2/NDF = 86.56$ Scale (fC per 1 ph.e.) = 0.29 ± 0.00 10 σ (fC) = 1.291 \pm 0.001 $\mu = 0.0264 \pm 0.0002$ $v_1 = 1.87 \pm 0.01$ dN/ds p.d.f. (arb. units) \approx - 0.291 + 0.002 $v_2/v_1 = 0.058 \pm 0.003$ $\alpha_3/(1-\alpha_2) = 0.311 \pm 0.002$ $v_3/v_1 = 0.220 \pm 0.004$ $\xi = 1.57 \pm 0.01$ $\beta/\mu = 1.500 \pm 0.039$ ζ /Scale = 0.040 ± 0.004 $\lambda = 2.000 \pm 0.192$ $v_{\text{average}} = 1.03$ 10 0.2 0.4 0.6 8.0 1.2 0 s (fC)

GA0516_w1_g064_v1000_t227.57.txt Red line: $dN/ds = f_{PMT}(s; parameters) \chi^2/NDF = 35.58$ Scale (fC per 1 ph.e.) = 0.03 ± 0.01 10 σ (fC) = 1.469 ± 0.001 $\mu = 0.0004 \pm 0.0001$ $v_1 = 5.58 \pm 1.57$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.174 \pm 0.040$ $v_2/v_1 = 0.169 \pm 0.051$ $\alpha_3/(1-\alpha_2) = 0.374 \pm 0.110$ $v_3/v_1 = 0.506 \pm 0.132$ $\xi = 3.96 \pm 0.04$ $\beta/\mu = 0.096 \pm 0.018$ ζ /Scale = 0.029 ± 0.009 $\lambda = 2.500 \pm 0.747$ $v_{average} = 3.92$ 10 0.02 0.04 0.06 0.08 0 s (fC)

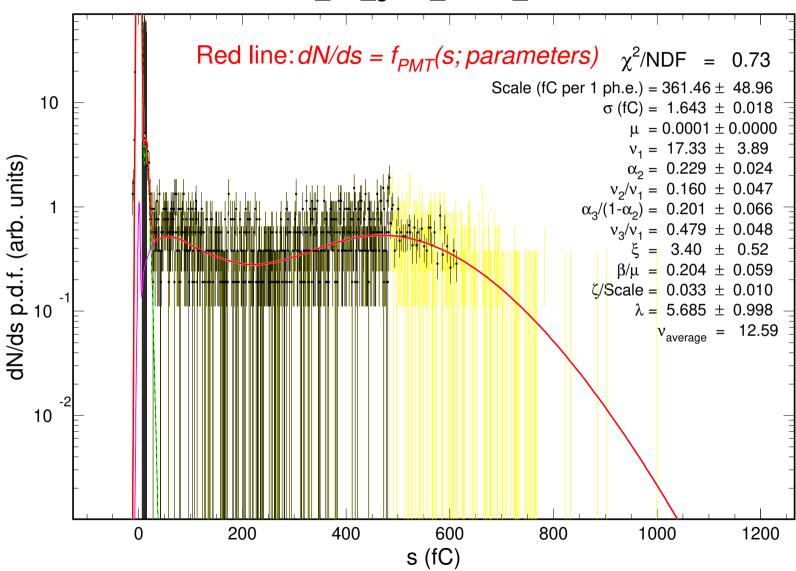
GA0516_w1_g064_v1000_t227.58.txt Red line: $dN/ds = f_{PMT}(s; parameters) \chi^2/NDF = 10.04$ Scale (fC per 1 ph.e.) = 0.16 ± 0.04 10 σ (fC) = 1.372 ± 0.001 $\mu = 0.0131 \pm 0.0038$ $v_1 = 3.56 \pm 1.06$ dN/ds p.d.f. (arb. units) $\alpha_2 = 0.257 \pm 0.078$ $v_2/v_1 = 0.020 \pm 0.088$ $\alpha_3/(1-\alpha_2) = 0.376 \pm 0.110$ $v_3/v_1 = 0.220 \pm 0.026$ $\xi = 2.83 \pm 2.13$ $\beta/\mu = 1.500 \pm 0.291$ ζ /Scale = 0.035 ± 0.011 $\lambda = 2.582 \pm 0.248$ $v_{average} = 1.89$ 10 0.1 0.2 0.3 0.4 0.5 0

s (fC)

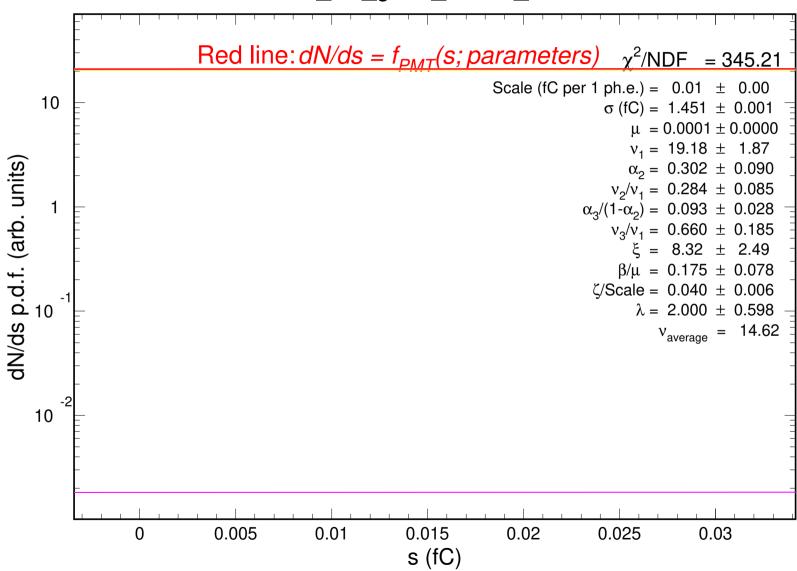
GA0516_w1_g064_v1000_t227.59.txt



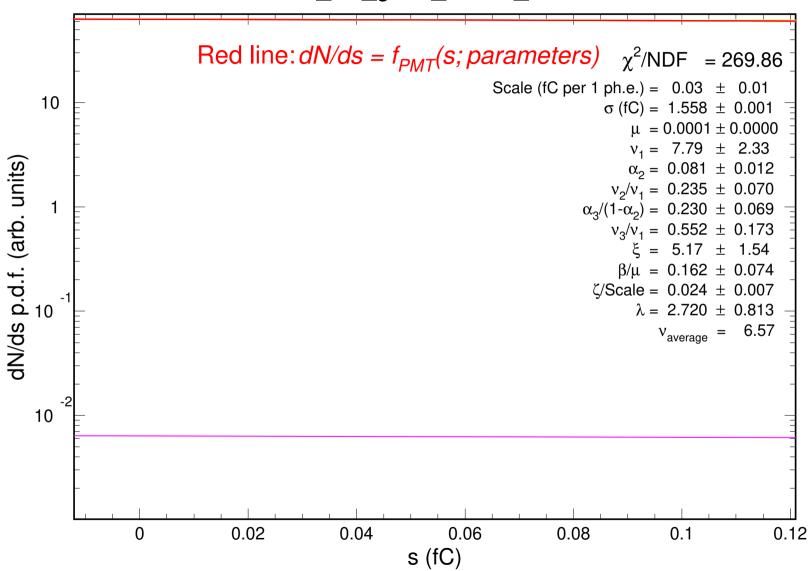
GA0516_w1_g064_v1000_t227.60.txt



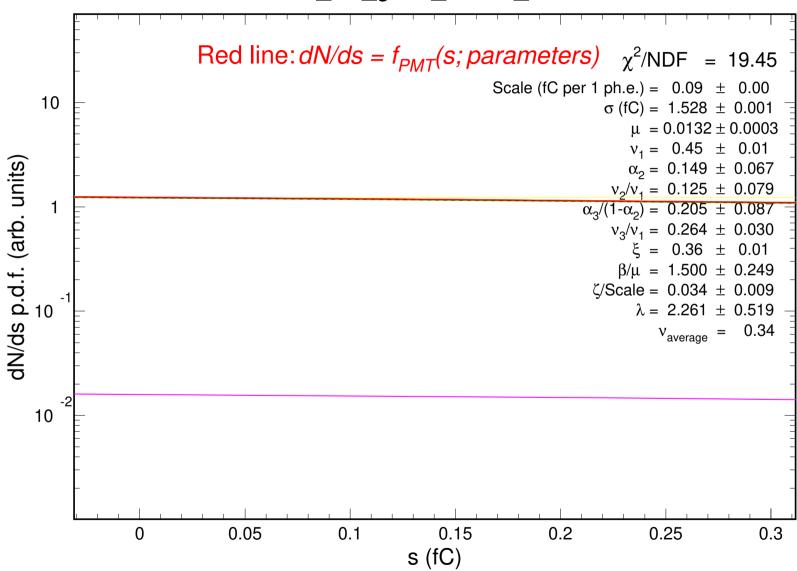
GA0516_w1_g064_v1000_t227.61.txt



GA0516_w1_g064_v1000_t227.62.txt



GA0516_w1_g064_v1000_t227.63.txt



GA0516_w1_g064_v1000_t227.64.txt

