**EP208 Additional Document**

*Examples of Non-linear Fitting*

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| Radioactive Decay Data Set  *Topic: curve fitting, exponential decay*  *Source: Collected in 1995 by Dot Doyle and John Kolena, teachers at NCSSM.* | PLOT |
| Time #Particles  (sec) Escaped in 30 sec  15 4877  45 4622  75 4034  105 3610  135 3125  165 2915  195 2593  225 2348  255 2171  285 1959  315 1820  345 1806  375 1432  405 1375  435 1398  465 1222  495 1258  525 1324  555 1070  585 986  615 1025  645 1117  675 963  705 947  735 901  765 889  795 872  825 786 |  |



