|  |  |  |
| --- | --- | --- |
| name | The name or title of the experiment | string |
| identification | A way to identify the experiment (archive number, etc) | string |
| field | Strength of the field used in the experiment, in V/cm | number |
| yield\_type | ‘charge’ or ‘light’ | string |
| recoil\_energy | Recoil energy, in keVr | number |
| yield | Yield values, in e-/keVr (if yield\_type is charge) or ph/keVr (if yield\_type is light) | Number |
| recoil\_error | Mean error for the recoil energy measurement (if max\_recoil and min\_recoil are included, recoil\_error should be the mean of their values) | Number |
| max\_recoil | Difference between the maximum possible value of the recoil energy measurement and the given value | Number |
| min\_recoil | Difference between the minimum possible value for the recoil energy measurement and the given value | Number |
| max\_yield | Difference between the maximum possible value of the yield measurement and the given value | Number |
| min\_yield | Difference between the minimum possible value of the yield measurement and the given value | number |
| drift\_field\_error | Uncertainty in the drift field, in V/cm | Number |
| gas\_drift\_field | Drift field of the gas region | Number |
| liquid\_drift\_field | Drift field in the liquid | Number |
| extraction\_efficiency | Extraction efficiency assumed in the text | Number |
| pixey | Extraction efficiency as predicted by PIXeY experiment | Number |
| corrected\_energy | Corrected recoil energy values (may be the same as recoil\_energy) | Number |

Functions will be written to obtain the following:

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| --- | --- | --- |
| num\_particles | Number of particles (electrons or photons, depending on yield\_type) in the measurement (found by multiplying adjust\_time, recoil\_energy and yield) | Number |
| max\_num\_particles | Maximum number of particles in the measurement (found by multiplying adjust\_time, recoil\_energy and the sum of yield and max\_yield) | Number |
| min\_num\_particles | Minumum number of particles in the measurement (found by multiplying adjust\_time, recoil\_energy and min\_yield) | number |

|  |  |  |
| --- | --- | --- |
| yield\_error | Mean error for the yield (should be the mean of max\_yield and min\_yield) | Number |
| number\_quanta | Number of quanta | number |