S4 Inputs needed

- Elements contained and target isotopes:
- 11 elements w/ fractions of number of atoms
- 24 corresponding target isotopes w/

  id = Z*10000 + A*10 and

  fractions of number of isotopes

```
11 0
 1      4.00E-004
 6      3.33E-005
 8      3.00E-002
 11     9.78E-004
 12     4.86E-004
 13     2.24E-003
 14     9.93E-003
 19     4.50E-004
 20     2.38E-003
 25     6.73E-005
 26     4.54E-004
```

```
24 4000
 60130  3.29E-007
 80170  1.07E-005
 80180  5.47E-005
 110230 9.78E-004
 120240 3.88E-004
 120250 4.72E-005
 120260 5.00E-005
 130270 2.24E-003
 140280 9.19E-003
 140290 4.51E-004
 140300 2.88E-004
 190390 4.21E-004
 190400 5.15E-008
 190410 2.89E-005
 200420 1.47E-005
 200430 3.00E-006
 200440 4.52E-005
 200460 8.30E-008
 200480 3.72E-006
 250550 6.73E-005
 260540 2.75E-005
 260560 4.16E-004
 260570 9.44E-006
 260580 1.23E-006
```

```
Bulk Shotcrete problem: N. Abgrall et al., Nucl. Instr. and Meth. A 828 (2016) (doi:10.1016/j.nima.2016.04.070)
1 2 1
11 0
 1   0.008369383
 6   0.000702273
 8   0.632664473
 11  0.020638254
 12  0.010237913
 13  0.04720579
 14  0.209482183
 19  0.009492483
 20  0.0501958
 25  0.001420213
 26  0.009591234
100 10.0 0.0
7
 832120  1.560541E-04
 842120  8.185316E-15
 842160  6.221754E-09
 862200  2.382798E-06
 882240  1.340747E-02
 902280  2.583255E+00
 902320  1.903857E+10
11 4000
 60130  3.29e-7
 80170  1.07e-5
 80180  5.47e-5
 110230 9.78e-4
 120240 3.88e-4
 120250 4.72e-5
 120260 5.00e-5
 130270 2.24e-3
 140280 9.19e-3
 140290 4.51e-4
 140300 2.88e-4
```