



## Exercise 5: Scoring

Beginners FLUKA Course

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download ex4.inp into the ex5 directory

rename it to ex5.inp

open it using FLAIR

- ❑ add a boundary crossing scoring  
from target segment 2 (aluminum)  
to target segment 3 (lead)
- *to get fluence of electrons and positrons with log-E bins  
(find a suitable energy range and # of bins) with 1 angular bin  
(unformatted output on unit 51)*
- *add a second scoring to get instead current  
(unformatted output on unit 52)*

run 5 times 1000 primaries, process the data files, and plot the results

Note the difference between fluence and current

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- ❑ change the number of primaries/cycles and look at statistical errors
- ❑ add energy deposition scoring
  - *for the three target segments using USRBIN by region (formatted output on unit 41)*
- ❑ check that results are consistent with standard output
- ❑ get energy deposition **only** by electrons
  - *for the three target segments using USRBIN by region (formatted output on unit 42) and AUXSCORE*