

# 1) BBC

## 2a) BGEN 2b) READ\_G4BL

# 3) ABSPOLY

User File Level

- 1) store material parameters in global vector, use in ABSPOLY

- 1) initiate step loop
- 2) convert to absolute coordinates
- 3) propagate particle vector from cell boundary to absorber boundary
- 4) propagate through absorber
- 5) propagate from absorber boundary to cell boundary

COSYScript level

- 1) initiate particle loop
- 2) check particle
- 3) call straggling
- 4) call scattering
- 5) call lateral displacement, ToF
- 6) call decay
- 7) check particle again → write to file → return final vector

FORTTRAN level