setting options/parameters for hadronic models

the INCL++ case study

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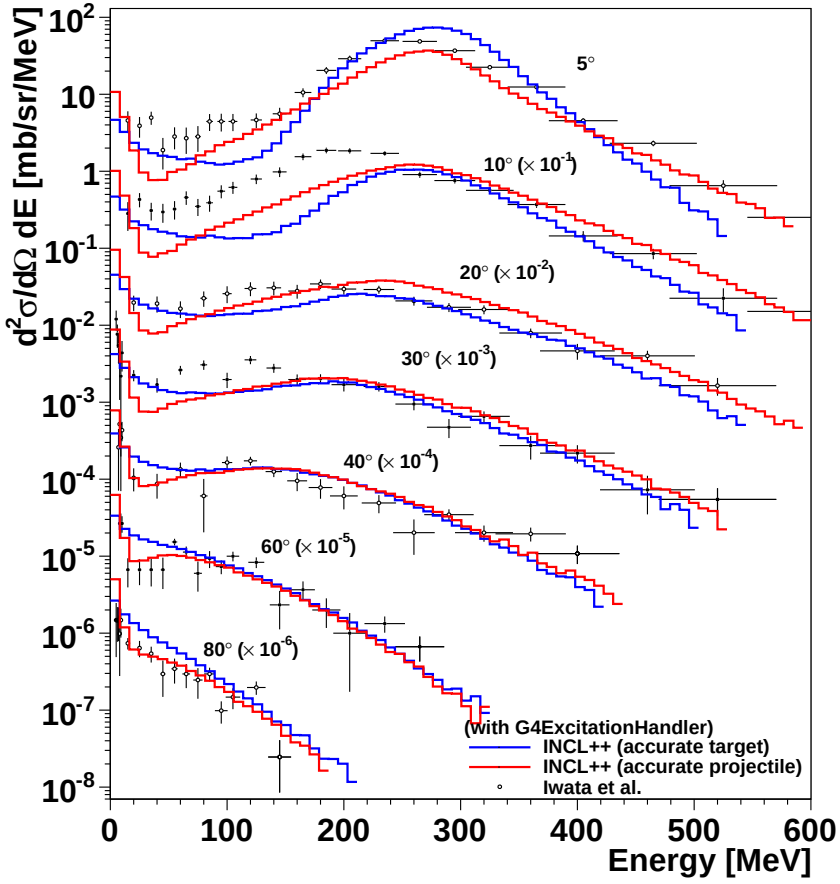
motivation

- projectile-target asymmetry
- two calculation modes
  - *accurate projectile*
  - *accurate target*
- choice depends on relevant observable

the end-user should decide!

$^{12}C(^{12}C,x)n$ at 290 *A*MeV



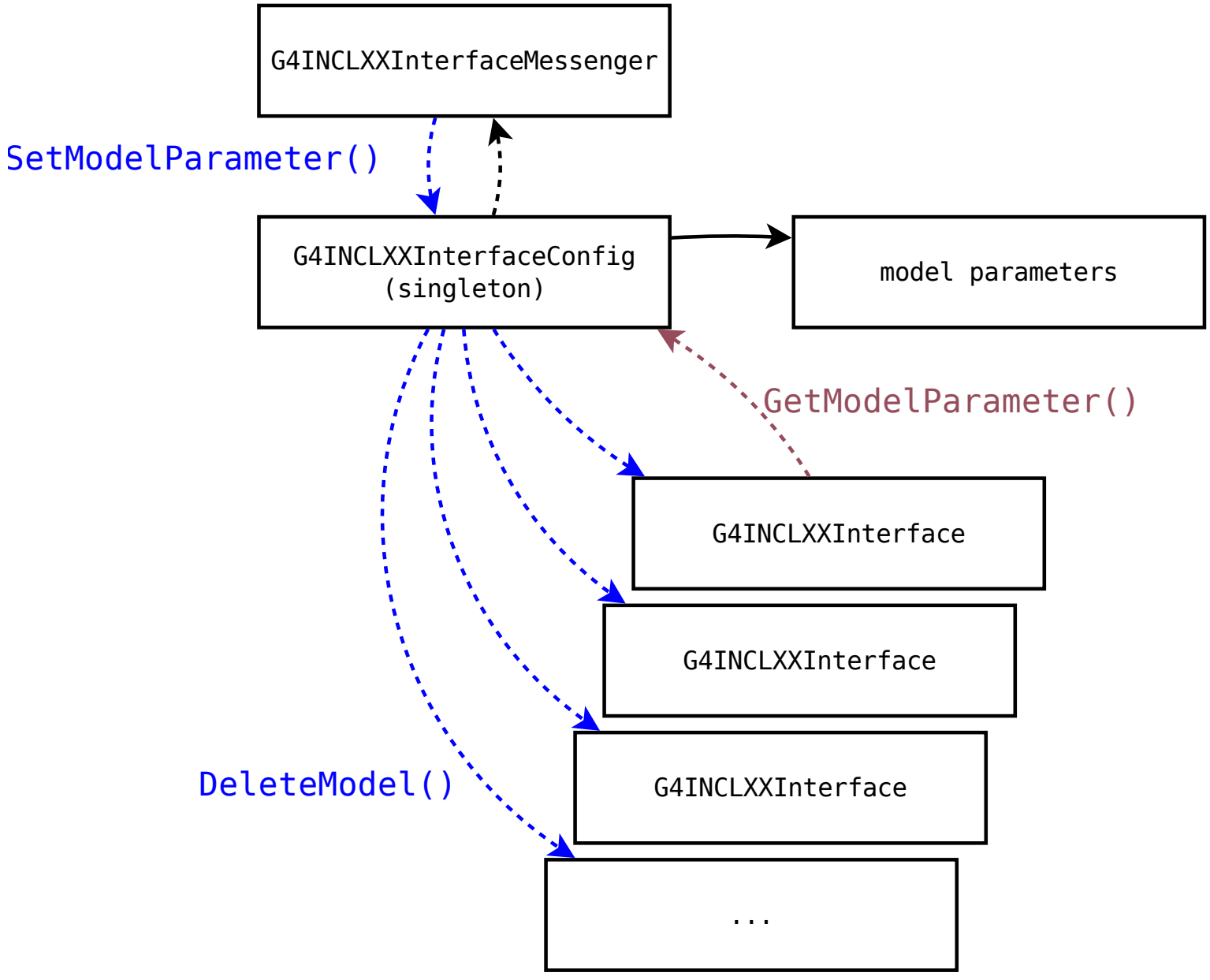
Y. Iwata *et al.*

Phys. Rev. C64 (2001) 054609

several possibilities:

- code editing
- physics list
- environment variables
- model-specific messengers

INCL++ interface messenger



INCL++ interface messenger

we use macros for the following model parameters:

`/inclxx/accurateDescription`

- `target` or `projectile`

`/inclxx/maxProjMass`

- max projectile mass in accurate-target mode
- max target mass in accurate-projectile mode

`/inclxx/maxClusterMass`

- max mass of produced cascade clusters

none of these macros are required