

Dzhelepov Laboratory
of Nuclear Problems

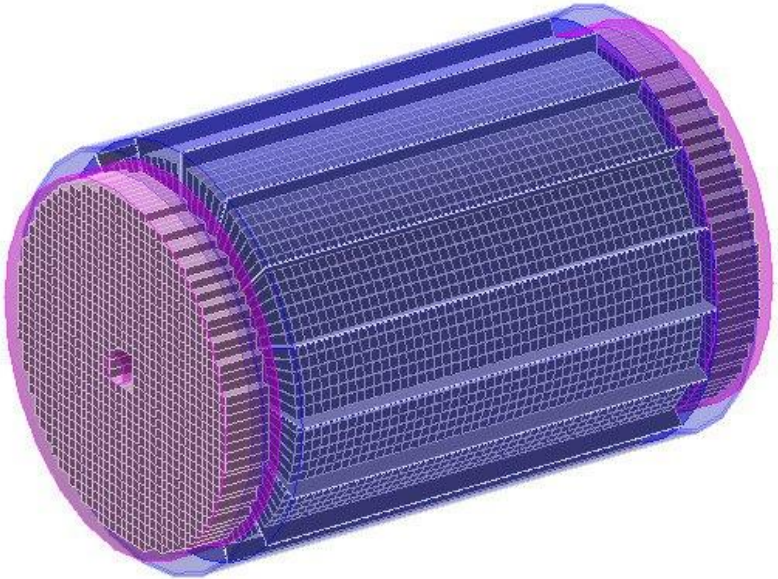


Joint Institute for
Nuclear Research

ECAL Simulation software. Status update.

I. Zimin

ECal SPDGeoModel



Parametrization for ECal

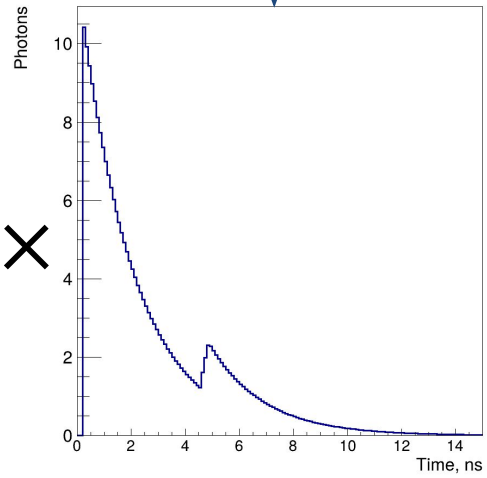
Geant4

Generator of the parametrization function (standalone)

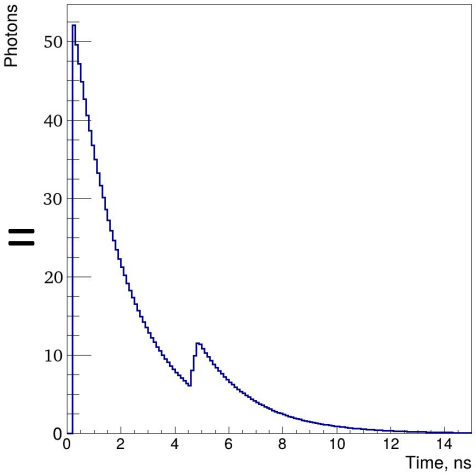
Parametrization

Hit sorter (time, cell, cell layer)

Deposited energy in the i-layer

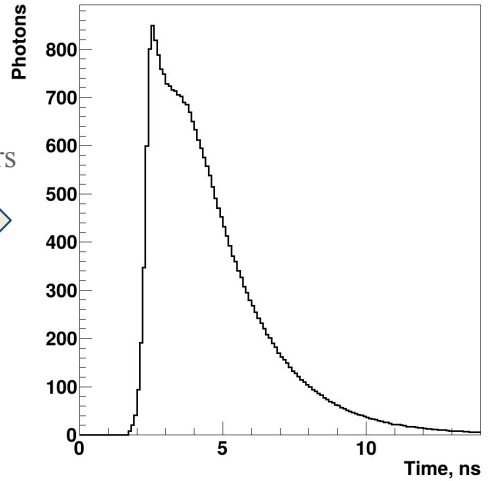


The parametrization function for i-layer



Result pulse for i-layer

∑ all layers



Result pulse for all layers

Conclusions

- The SPDGeoModel of the ECal SPD have been created. Plans: future updates corresponding to new information about ECal.
- The initial standalone generator of the parametrization function for ECal SPD have been developed. Plans: continue development of generator and create hit sorter .

Thank you for your attention!