



Contribution ID: 16

Type: Oral

## Geant4 Electromagnetic Physics

*Wednesday, 24 April 2019 14:00 (30 minutes)*

The status of the Geant4 electromagnetic physics sub-libraries is presented. Current developments of electromagnetic physics is focused on implementation of next to leading terms of various electromagnetic processes including multiple and single scattering, gamma conversion, positron annihilation. Atomic de-excitation module is use in several electromagnetic models and in radioactive decay. Problems and perspectives of accurate implementation of atomic effects are discussed. The new validation results are presented.

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**Session Classification:** Detector simulation

**Track Classification:** Detector simulation