

EuroNNAC and EuPRAXIA Workshop on Pilot Applications of Electron Plasma Accelerators (PAEPA)



Contribution ID: 55

Type: **not specified**

Beam transport and environment simulation, a biased view.

Thursday, 13 October 2016 10:00 (10 minutes)

The novel acceleration technique of EuPraxia does not seem to induce new problems for what is regarding the simulation. Once the electrons are accelerated, their energy is typical of the “high energy physics” field, and simulation tools used there can be a priori be applied to EuPraxia. Invitation to discuss the first statement of this abstract will be made ; and beam transport tools as well as environment simulation techniques for radioprotection problems will be mentioned ; this presentation will be biased toward the generalist simulation toolkit Geant4.

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Session Classification: Session 7: Diagnostics, configurations, infrastructure