MATTER AND
TECHNOLOGIES

Contribution ID: **102**   Type: **Poster without speed talk**

Time-dependent phase space tomography

It has been demonstrated that a series of bunch profile density measurements made with an EO crystal can be used to reconstruct the charge density or phase space. However, this method does not take into account the time-dependent variability of the charge density when coherent radiation occurs. The method presented in this work incorporates the dynamic of the charge density given by the Vlasov-Fokker-Planck equation into the phase space tomography algorithm.

Speed Talks

I am unable/unwilling to give a speedtalk.

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