

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



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## Test of new longitudinal diagnostics as beam test facilities

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Coherent Smith-Purcell Radiation encodes information about the longitudinal profile of a relativistic beam. We had a successful measurement campaign at FACET in the US recently and we are now working on accurately mapping the emission in the SOLEIL linac. I will present recent results obtained recently, current work and Research that could be performed with a new versatile test beam facility.

**Presenter:** DELERUE, Nicolas (LAL, CNRS & Université Paris-Sud)

**Session Classification:** Session 3: HEP applications