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## Status Of Plasma Diagnostics On The Prototype Plasma Lens For Optical Matching At The ILC e+ Source

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In recent years, high-gradient, symmetric focusing with active plasma lenses has regained significant interest due to its potential advantages in compactness and beam dynamics compared to conventional focusing elements. A promising application could be optical matching of highly divergent positrons from the undulatorbased ILC positron source into the downstream accelerating structures to increase the positron yield. In a collaboration between University Hamburg and DESY Hamburg a downscaled prototype for this application has been developed and constructed. Here, we present the current status of the prototype development.

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## Footnotes

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Yes

Primary author: HAMANN, Niclas (University of Hamburg)

**Co-authors:** FORMELA, Manuel (University of Hamburg); LOISCH, Gregor (Deutsches Elektronen-Synchrotron); OS-TERHOFF, Jens (Deutsches Elektronen-Synchrotron); MOORTGAT-PICK, Gudrid (Deutsches Elektronen-Synchrotron); LUD-WIG, Kai (Deutsches Elektronen-Synchrotron)

Presenter: HAMANN, Niclas (University of Hamburg)

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