

# International Workshop on Breakdown Science and High Gradient Technology (HG2021)

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## The EuPRAXIA@SPARC\_LAB X band LINAC

*Monday, 19 April 2021 09:00 (30 minutes)*

EuPRAXIA@SPARC\_LAB is the new project of the National Laboratories of the INFN in Frascati and it is a FEL Facility based on plasma beam driven acceleration. The high quality electron beam is generated by an S-band injector and accelerated up to 1 GeV by an X band LINAC. In the presentation the main structure of the linac is presented with details on the X band accelerating module, accelerating structure design and prototyping strategy for structure realization.

### Summary

**Presenter:** ALESINI, David (INFN)

**Session Classification:** Session 1