

# eeFACT 2025 - 70th ICFA Advanced Beam Dynamics Workshop on High Luminosity Circular e<sup>+</sup>e<sup>-</sup> Colliders



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## ILC RF system challenges and status of high-gradient SC cavities

*Thursday 6 March 2025 12:20 (30 minutes)*

The International Linear Collider (ILC) is a future electron-positron collider based on superconducting radio frequency (SRF) technology, planned to be situated in Japan. In this contribution an introduction to the ILC is given, followed by a report on the status of the ILC Technology Network (ITN). Furthermore, an overview of the current cryomodule development at KEK as well as of the international efforts towards high-gradient SRF cavities is presented.

### Footnotes

### Funding Agency

### I have read and accept the Privacy Policy Statement

Yes

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