

Integrated YBCO detector arrays for single-shot THz spectroscopy

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Integrated YBCO detector arrays

- THz Spectroscopy for beam diagnostics

- Fast response times + spectral resolution



- Integrated planar detector array

- Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ detectors : picosecond response time
- Frequencies: 140 GHz, 350 GHz, 650 GHz, 1.02 THz

- Multi-channel liquid-nitrogen-cooled detector system

