



Contribution ID: 498 Contribution code: **MOZG1**

Type: **Invited Oral Presentation**

## Electron beam test facilities for novel applications

*Monday, 8 May 2023 14:30 (30 minutes)*

Delivering and tailoring high brightness electron beams for a wide range of novel applications is a challenging task in single pass accelerator test facilities. This paper will review beam dynamics challenges at single pass accelerator test facilities in Europe to generate, transport and tailor low- to medium-energy high brightness electron beams for a range of novel applications.

### Funding Agency

### Footnotes

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

Yes

**Primary author:** ANGAL-KALININ, Deepa (Science and Technology Facilities Council)

**Co-authors:** MUELLER, Anke-Susanne (Karlsruhe Institute of Technology); BURKART, Florian (Deutsches Elektronen-Synchrotron); JONES, James (Science and Technology Facilities Council); SCHUH, Marcel (Karlsruhe Institute of Technology); POMPILI, Riccardo (Istituto Nazionale di Fisica Nucleare); CORSINI, Roberto (European Organization for Nuclear Research); PACEY, Thomas (Science and Technology Facilities Council); LI, Xiangkun (Deutsches Elektronen-Synchrotron DESY at Zeuthen); STEPHAN, Frank (Deutsches Elektronen-Synchrotron DESY at Zeuthen)

**Presenter:** ANGAL-KALININ, Deepa (Science and Technology Facilities Council)

**Session Classification:** MC05.1 - Beam Dynamics and Electromagnetic Fields (Invited)