|  |  |
| --- | --- |
| Traveler Title | ER5C Cavity Field Probe Feedthrough Leak Check |
| Traveler Abstract | This traveler provides the necessary steps to perform leak check on ER5C (C20, C50, C75) cavity field probe feedthroughs. |
| Traveler ID | ER5C-CMA-FPFT-LEAK |
| Traveler Revision  | R1 |
| Traveler Author | L. Zhao |
| Traveler Date | 31-Jan-25 |
| NCR Informative Emails | areilly,overtonr |
| NCR Dispositioners | lzhao,forehand,weaksmc |
| D3 Emails | lzhao,forehand,weaksmc,areilly,overtonr |
| Approval Names | L. Zhao | C. Wilcox | J. Fischer | A. Reilly |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer 1 | Reviewer 2 | Project Representative |

|  |  |
| --- | --- |
| References | List and Hyperlink all documents related to this traveler. This includes, but is not limited to: safety (THAs, SOPs, etc), drawings, procedures, and facility related documents. |
| [11151-0033\_Cavity pair assembly probe assembly\_RevA](https://misportal.jlab.org/jlabDocs/documents/versions/7275/download)  | [JL0170822 C75 CAVITY FIELD PROBE](https://misportal.jlab.org/jlabDocs/documents/versions/205675/download) | [CeramTec Drawing Q464641 RevA](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-295412/Q464641S.pdf) |  |  |

|  |  |
| --- | --- |
| Revision Note |  |
| R1 | Initial release of this traveler.  |

|  |  |  |
| --- | --- | --- |
| Step No. | Instructions | Data Input |
| 1 | This step is Step 4 in the inspection traveler ER5C-INSP-FPFT.Record the serial number of the feedthrough.Enter the operator name and date.Leak check feedthrough to JLAB Specification 11141S0029 RevB "Leak Check of Small Items". Leak Rate not to exceed 2e-10 atm cc/sec of He.Indicate if the feedthrough pass leak check.Provide comments and upload plots/files of the leak check if needed.When the leak check is done, re-package the feedthrough and send to inventory for storage until use. | [[FPFTSN]] <<FPFTSN>>[[LeakCheckTech]] <<SRF>>[[LeakCheckDate]] <<TIMESTAMP>>[[LeakCheckGood]] <<YESNO>>[[LeakCheckComments]]<<COMMENT>>[[LeakCheckFiles]] <<FILEUPLOAD>> |