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| Traveler Title | VTA RF (Cavity) Test Plan  |
| Traveler Abstract | Test Plan / Request for testing of cavities in the Vertical Test Area (VTA) |
| Traveler ID | SRFOPS-VTA-CAV-TSTP |
| Traveler Revision  | R1 |
| Traveler Author | K. DAVIS |
| Traveler Date | 31-Jul-23 |
| NCR Informative Emails | STIRBET,AREILLY |
| NCR Dispositioners | JTKENT,POWEN,KDAVIS |
| D3 Emails | STIRBET,AREILLY,JTKENT,POWEN,KDAVIS |
| Approval Names | K. DAVIS | J. KENT | P. OWEN | A. REILLY |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | SME | Project Manager |

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| 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. |
| [VTA SOP](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-48111/A-09-001-SOP-21542%5B1%5D.pdf) NEEDS TO BE LINKED TO MOST RECENT | C75-PR-CPR-VTRF-R4-1 | C100R-PR-VTA-CAV-VTRF-R2 | L2HE-PR-VTA-CAV-VTRF-R1 | NB3SN-CP-C75-CPR-VTRF-R1 |
| Theory and practice of cavity RF test systems | CP-STP-CAV-VTRF-OST-R1 | L2HE-PR-VTA-CAV-AMMS |  |  |

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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| **VTA TEST PLAN SUBMISSION**(To be completed by Primary Investigator) |
| **PROJECT SELECTION** | **PRINCIPAL INVESTIGATOR** |
| Select the Project Abbreviation / Charge Code from list. [[PROJSN]] <<PROJSN>>If project code not found enter NEW code in the text box below.[[ProjName]] <<TEXT>>[[Automate PROJSN and enter ProjName into list if needed]] <<NOTE>> | [[PrincipalInvestigator]] <<SRF>>[[automate name of PI to session username]] <<NOTE>>[[TestPlanDate]] <<TIMESTAMP>>[[autofill date with today date]] <<NOTE>> |
| **CRYO Testing in Dewar 1 and 2** | **Cavity Testing in Dewar 3 to 8** |
| Description of CRYO VTA Tests:(e.g., RRR, third harmonic…)[[CRYOTestDescription]] <<COMMENT>>[[CRYOTestFileupload]] <<FILEUPLOAD>> | Description of CAVITY VTA Tests:(e.g. Q vs E test of C100R cavities at 1497 MHz and up a maximum admin limit cavity gradient of 27 MV/m. The cavity will be tested conform procedure C100R-PR-VTA-CAV-VTRF-R2. Specify in VTA test plan Description: Cavity type (elliptic, spoke, and so on), Pi mode frequency, Dewar preference, magnetic requirements, testing temperature(s), if HOM survey, OST data are needed)[[CAVTestDescription]] <<COMMENT>>[[CAVTestFileupload]] <<FILEUPLOAD>> |
| NEUTRON RADIATION VERIFICATION: Does these VTA test have the potential to generate neutron radiation? [[NeutronRadiation]] <<YESNO>>If Yes, attach a detailed analysis. [[NeutronRadiationAnalysis]] <<FILEUPLOAD>>[[NeutronRadiationComment]] <<COMMENT>> |
| **SAFETY AND WORK CONTROL DOCUMENTATION** |
| Upload Documentation NOT referenced on Title Page of this traveler (i.e., Page 0)[[WorkControlDocuments]] <<FILEUPLOAD>> |

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| **VTA TEST PLAN REVIEW**(To Be Completed by VTA Facility Manager) |
| **REVIEW** |
| [[VTATestReviewCoord]] {{KDAVIS,JKENT,FOREHAND}} <<SELECT>>[[VTATestReviewDate]] <<TIMESTAMP>>[[auto fill review coord name to session username and autofill today date]] <<NOTE>>[[VTAReviewComments]] <<COMMENT>> |
| **RETURN** | **APPROVED** |
| [[TPStatusReturn]] <<CHECKBOX>>[[TPReturnedComments]] <<COMMENT>>[[Allow only one checkbox to be checked TPStatusReturn OR TPStatusApproved]] <<NOTE>> | [[TPStatusApproved]] <<CHECKBOX>>[[TPApprovedComments]] <<COMMENT>> |
| *IF Test Plan is Returned, then an email of the request will be sent to the Primary Investigator* [[TPReturnEmail]] {{PrincipalInvestigator}} <<EMAIL>>[[TPReturnEmail]] {{VTA Test Plan Returned}} <<EMAILSUBJ>>[[Only email Principal Investigator if the TPReturned box is checked; substitute name in data file]] <<NOTE>> | *IF Test Plan is Approved, then an email of the request will be sent to the VTA Test Coordinators* [[TPApprovedEmail]] {{KDAVIS,JTKENT,POWEN,TGOODMAN}} <<EMAIL>>[[TPApprovedEmail]] {{VTA Test Plan Approved}} <<EMAILSUBJ>>[[Only email if the TPStatusApproved is YES; substitute name in data file]] <<NOTE>> |
| *Upload the approved VTA TP in DocuShare using identification e.g., VTATestPlanC100R*[UploadApprovedTPinDocushare]] {{KDAVIS,JTKENT,POWEN,TGOODMAN}} <<HOLDPOINT>>**Generate / associate a TP identification e.g. TestPlanC100R\_ddmmmyyy** |
| [[CloseTraveler]] <<YESNO>>[[THE HOLDPOINT WILL PREVENT THE TRAVELER FROM BEING ABLE TO BE CLOSED UNTIL IT IS CLEARED; DO NOT NEED ADDITIONAL QUESTION TO CLOSE TRAVELER]] <<NOTE>> |