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| Traveler Title | SNSPPU Cavity Bake-out |
| Traveler Abstract | 120 deg. C bake of SNSPPU cavities before VTA qualification test. |
| Traveler ID | SNSPPU-CAV-BAKE |
| Traveler Revision  | R1 |
| Traveler Author | Pashupati Dhakal |
| Traveler Date | 28-Sep-20 |
| NCR Informative Emails | Kdavis, forehand, Dhakal edaly |
| NCR Dispositioners | Kdavis, forehand, Dhakal edaly |
| D3 Emails | Kdavis, forehand, Dhakal edaly |
| Approval Names | Pashupati Dhakal | K. Davis | Danny Forhand | Ed Daly |
| Approval Signatures |  |  |  |  |
| Approval Dates |  |  |  |  |
| Approval Title | Author | Reviewer | Reviewer | 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. |
|  | Cavity bake proceedure |  |  |  |
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| Revision Note |  |
| R1 | Initial release of this Traveler. |

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| Step No. | Instructions | Data Input |
| 1 | Record the cavity serial number into this traveler.Record the test stand Serial Number.Record the cavity pressureCavity with Hellium Vessel | [[CAVSN]] <<CAVSN>>[[TestStandSN]] <<SN>>[[PreBakeCavityPressure]] <<SCINOT>>mbar[[BakeSetupComments]] <<COMMENT>>[[BakeStartTimestamp]] <<TIMESTAMP>>[[Technician]] <<SRFCVP>>Yes/No |
| 2 | Preperation for bakeTake RGA analog scan for amu (1-100) and save and upload data log file.Run RGA to record partial pressure data with mass (2, 4, 14, 16, 18, 28, 40) and any amu that were seen in analog scan. | [[PreBakeAnalogScan]] <<FILEUPLOAD>> |
| 3 | Following the [cavity bake procedure](https://jlabdoc.jlab.org/docushare/dsweb/Get/Document-43037/CP-C100-CAV-BAKE-R2%5B1%5D.pdf) bake the cavity for 24 hours at 120 degrees C.Data log the bake temperatures as directed in the bake procedure.After the bake, upload the data log file that recorded the bake temperatures, RGA and total pressure during the bake.Record the final cavity vacuum pressure after the bakeTake RGA analog scan for amu (1-100), save and upload data log file.If the bake cycle was interrupted or was off- NCR is required. | [[BakeDataLogFile]] <<FILEUPLOAD>>[[BakeDataRGAScanPvsT]] <<FILEUPLOAD>>[[PostBakeCavityPressure]] <<SCINOT>>mbar[[CompletionTime]] <<TIMESTAMP>>[[CompletionTechnician]] <<SRFCVP>>[[PostBakeAnalogScan]] <<FILEUPLOAD>> |