| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | $\begin{gathered} \text { Total } \\ \text { Infrastructures } \end{gathered}$ | Total Capital Equipments | De |
| 1 | 1 | 1 HPS |  | \$1,496,81218 | \$1,930,055.73 | \$1,074,983.10 | \$1,257,308.48 | \$3,187,364.22 | \$7,915.31 | \$20,834.95 | \$927,517.86 | \$567,68274 | \$1,692,163.62 | Wo |
| 2 | 1.1 | 11 Beamline |  | \$219,204.04 | \$284,965.25 | \$141,210.00 | \$183,573.00 | \$468,538.25 | \$0.00 | \$0.00 | \$0.00 | \$325,366.24 | \$143,17202 | Wo |
| 3 | 1.1.1 | 1.1.1 Beamline Design |  | \$8,966.40 | \$11,656.32 | \$0.00 | \$0.00 | \$11,656.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$11,656.32 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | MD Hall-B |  | \$8,966.40 | \$11,656.32 | \$0.00 | \$0.00 | \$11,656.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$11,656.32 | Wo |
| 4 | 1.1.2 | 1.1.2 Beamline Review |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 5 | 1.1.3 | 1.1.3 Platform in the Alcove | INFRA | \$43,539.52 | \$56,601.38 | \$41,000.00 | \$53,300.00 | \$109,901.38 | \$0.00 | \$0.00 | \$0.00 | \$109,901.38 | \$0.00 | Wo |
|  |  | Platform Alcove | INFRA | \$0.00 | \$0.00 | \$41,000.00 | \$53,300.00 | \$53,300.00 | \$0.00 | \$0.00 | \$0.00 | \$53,300.00 | \$0.00 | Wo |
|  |  | MD Hall-B | INFRA | \$17,932.80 | \$23,312.64 | \$0.00 | \$0.00 | \$23,312.64 | \$0.00 | \$0.00 | \$0.00 | \$23,312.64 | \$0.00 | Wo |
|  |  | ME Hall-B | INFRA | \$10,662.72 | \$13,861.54 | \$0.00 | \$0.00 | \$13,861.54 | \$0.00 | \$0.00 | \$0.00 | \$13,861.54 | \$0.00 | Wo |
|  |  | MT Hall-B | INFRA | \$14,944.00 | \$19,427.20 | \$0.00 | \$0.00 | \$19,427.20 | \$0.00 | \$0.00 | \$0.00 | \$19,427.20 | \$0.00 | Wo |
| 6 | 1.1.4 | 1.1.4 Magnet Power | INFRA | \$6,664.20 | \$8,663.46 | \$20,000.00 | \$26,000.00 | \$34,663.46 | \$0.00 | \$0.00 | \$0.00 | \$34,663.46 | \$0.00 | Wo |
|  |  | Magent Power | INFRA | \$0.00 | \$0.00 | \$20,000.00 | \$26,000.00 | \$26,000.00 | \$0.00 | \$0.00 | \$0.00 | \$26,000.00 | \$0.00 | Wo |
|  |  | ME Hall-B | INFRA | \$6,664.20 | \$8,663.46 | \$0.00 | \$0.00 | \$8,663.46 | \$0.00 | \$0.00 | \$0.00 | \$8,663.46 | \$0.00 | Wo |
| 7 | 1.1.5 | 1.1.5 New Beamline Elements \& Diagnostics | INFRA | \$104,608.00 | \$135,990.40 | \$30,000.00 | \$39,000.00 | \$174,990.40 | \$0.00 | \$0.00 | \$0.00 | \$174,990.40 | \$0.00 | Wo |
|  |  | New Beamline Diagnostics | INFRA | \$0.00 | \$0.00 | \$30,000.00 | \$39,000.00 | \$39,000.00 | \$0.00 | \$0.00 | \$0.00 | \$39,000.00 | \$0.00 | Wo |
|  |  | MD Hall-B | INFRA | \$44,832.00 | \$58,281.60 | \$0.00 | \$0.00 | \$58,281.60 | \$0.00 | \$0.00 | \$0.00 | \$58,281.60 | \$0.00 | Wo |
|  |  | MT Hall-B | INFRA | \$59,776.00 | \$77,708.80 | \$0.00 | \$0.00 | \$77,708.80 | \$0.00 | \$0.00 | \$0.00 | \$77,708.80 | \$0.00 | Wo |
| 8 | 1.1.6 | 1.1.6 Frascati beampipe 1 |  | \$0.00 | \$0.00 | \$7,450.00 | \$9,685.00 | \$9,685.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,685.00 | Wo |
|  |  | Frascati beampipe 1 |  | \$0.00 | \$0.00 | \$7,450.00 | \$9,685.00 | \$9,685.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,685.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 9 | 1.1.7 | 1.1.7 SVT Vacuum Box |  | \$18,482.40 | \$24,027.12 | \$8,640.00 | \$11,232.00 | \$35,259.12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$35,259.12 | Wo |
|  |  | Electron Run Flange |  | \$0.00 | \$0.00 | \$5,400.00 | \$7,020.00 | \$7,020.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,020.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$7,344.00 | \$9,547.20 | \$0.00 | \$0.00 | \$9,547.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,547.20 | Wo |
|  |  | Matt Swift (MD) |  | \$11,138.40 | \$14,479.92 | \$0.00 | \$0.00 | \$14,479.92 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$14,479.92 | Wo |
|  |  | Vacuum Flange hardware |  | \$0.00 | \$0.00 | \$1,080.00 | \$1,404.00 | \$1,404.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,404.00 | Wo |
|  |  | Conflat gaskets |  | \$0.00 | \$0.00 | \$2,160.00 | \$2,808.00 | \$2,808.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,808.00 | Wo |
|  |  | Linear Shifts |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Cooling Feedthrough |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 10 | 1.1.8 | 1.1.8 Eectron Target |  | \$12,790.80 | \$16,628.04 | \$4,320.00 | \$5,616.00 | \$22,244.04 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$22,244.04 | Wo |
|  |  | ElectronTarget |  | \$0.00 | \$0.00 | \$4,320.00 | \$5,616.00 | \$5,616.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,616.00 | Wo |
|  |  | Matt McCulloch (MT) |  | \$5,446.80 | \$7,080.84 | \$0.00 | \$0.00 | \$7,080.84 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,080.84 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$7,344.00 | \$9,547.20 | \$0.00 | \$0.00 | \$9,547.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,547.20 | Wo |
| 11 | 1.1.9 | 1.1.9 SVT Collimator Protection |  | \$9,531.84 | \$12,391.39 | \$14,900.00 | \$19,370.00 | \$31,761.39 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$311761.39 | Wo |
|  |  | ME Accelerator JLAB |  | \$3,554.24 | \$4,620.51 | \$0.00 | \$0.00 | \$4,620.51 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$4,620.51 | Wo |
|  |  | MT Accelerator JLAB |  | \$5,977.60 | \$7,770.88 | \$0.00 | \$0.00 | \$7,770.88 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,770.88 | Wo |
|  |  | SVT Collimator Protection |  | \$0.00 | \$0.00 | \$14,900.00 | \$19,370.00 | \$19,370.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$19,370.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 12 | 1.1.10 | 1.1.10 Beam Offset Monitor |  | \$7,754.72 | \$10,081.14 | \$4,470.00 | \$5,811.00 | \$15,892.14 | \$0.00 | \$0.00 | \$0.00 | \$5,811.00 | \$10,081.14 | Wo |
|  |  | Beam Offset Monitor | INPA | \$0.00 | \$0.00 | \$4,470.00 | \$5,811.00 | \$5,811.00 | \$0.00 | \$0.00 | \$0.00 | \$5,811.00 | \$0.00 | Wo |
|  |  | ME Hall-B |  | \$1,77. 12 | \$2,310.26 | \$0.00 | \$0.00 | \$2,310.26 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,310.26 | Wo |


| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | $\begin{gathered} \hline \text { Total } \\ \text { Operations } \\ \hline \end{gathered}$ | Total Infrastructures | Total Capital Equipments | Det |
|  |  | MT Hall-B |  | \$5,977.60 | \$7,770.88 | \$0.00 | \$0.00 | \$7,770.88 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,770.88 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 13 | 1.1.11 | 1.1.11 Beam Profile Monitor |  | \$0.00 | \$0.00 | \$10,430.00 | \$13,559.00 | \$13,559.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$13,559.00 | Wo |
|  |  | Insertable YAG Viewer |  | \$0.00 | \$0.00 | \$10,430.00 | \$13,559.00 | \$13,559.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$13,559.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 14 | 1.1.12 | 1.1.12 Installation review |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 15 | 1.1.13 | 1.1.13 HPS Beamline Installation |  | \$6,866.16 | \$8,926.01 | \$0.00 | \$0.00 | \$8,926.01 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,926.01 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | ME Hall-B |  | \$888.56 | \$1,155.13 | \$0.00 | \$0.00 | \$1,155.13 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,155.13 | Wo |
|  |  | MT Hall-B |  | \$5,977.60 | \$7,770.88 | \$0.00 | \$0.00 | \$7,770.88 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,770.88 | Wo |
| 16 | 1.1.14 | 1.1.14 Beamline Installed |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 17 | 1.2 | 12 SVT |  | \$346,316.76 | \$451,984.75 | \$160,67100 | \$204,194.20 | \$656,178.95 | \$8,41200 | \$10,038.00 | \$74,827.44 | \$42,614.00 | \$538,737.51 | Wo |
| 18 | 1.2.1 | 1.2.1 SVT Design Review |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 19 | 1.2.2 | 1.2.2 Layers 1-3 |  | \$53,305.20 | \$66,193.92 | \$26,960.00 | \$37,104.00 | \$103,297.92 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$103,297.92 | Wo |
|  |  | Matt McCulloch (MT) |  | \$16,340.40 | \$19,608.48 | \$0.00 | \$0.00 | \$19,608.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$19,608.48 | Wo |
|  |  | Matt Swift (MD) |  | \$22,276.80 | \$28,959.84 | \$0.00 | \$0.00 | \$28,959.84 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,959.84 | Wo |
|  |  | Tensioners |  | \$0.00 | \$0.00 | \$12,960.00 | \$18,144.00 | \$18,144.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$18,144.00 | Wo |
|  |  | Assembly Fixture |  | \$0.00 | \$0.00 | \$1,200.00 | \$1,440.00 | \$1,440.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,440.00 | Wo |
|  |  | U Support |  | \$0.00 | \$0.00 | \$10,800.00 | \$15,120.00 | \$15,120.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$15,120.00 | Wo |
|  |  | Cables Fixtures |  | \$0.00 | \$0.00 | \$2,000.00 | \$2,400.00 | \$2,400.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,400.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$14,688.00 | \$17,625.60 | \$0.00 | \$0.00 | \$17,625.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$17,625.60 | Wo |
| 20 | 1.2.3 | 1.2.3 Layer 1-3 Ready |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 21 | 1.2.4 | 1.2.4 Layers 4-6 |  | \$7,785.20 | \$106,671.60 | \$42,470.00 | \$59,058.00 | \$165,729.60 | \$7,896.00 | \$10,038.00 | \$17,934.00 | \$0.00 | \$147,795.60 | Wo |
|  |  | Matt Swift (MD) |  | \$22,276.80 | \$28,959.84 | \$0.00 | \$0.00 | \$28,959.84 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,959.84 | Wo |
|  |  | Matt McCulloch (MT) |  | \$21,787.20 | \$30,502.08 | \$0.00 | \$0.00 | \$30,502.08 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$30,502.08 | Wo |
|  |  | Tung Phan (ET) |  | \$4,345.20 | \$6,083.28 | \$0.00 | \$0.00 | \$6,083.28 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,083.28 | Wo |
|  |  | FNAL Composite |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Cables Fixtures |  | \$0.00 | \$0.00 | \$2,000.00 | \$2,400.00 | \$2,400.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,400.00 | Wo |
|  |  | Wirebonding Fixture |  | \$0.00 | \$0.00 | \$3,060.00 | \$4,284.00 | \$4,284.00 | \$0.00 | \$2,142.00 | \$2,142.00 | \$0.00 | \$2,142.00 | Wo |
|  |  | Tensioners |  | \$0.00 | \$0.00 | \$12,960.00 | \$18,144.00 | \$18,144.00 | \$4,536.00 | \$4,536.00 | \$9,072.00 | \$0.00 | \$9,072.00 | Wo |
|  |  | Assembly Fixture |  | \$0.00 | \$0.00 | \$6,000.00 | \$8,400.00 | \$8,400.00 | \$3,360.00 | \$3,360.00 | \$6,720.00 | \$0.00 | \$1,680.00 | Wo |
|  |  | U Support |  | \$0.00 | \$0.00 | \$10,800.00 | \$15,120.00 | \$15,120.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$15,120.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$29,376.00 | \$41,126.40 | \$0.00 | \$0.00 | \$41,126.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$41,126.40 | Wo |
|  |  | Kapton passivation |  | \$0.00 | \$0.00 | \$7,650.00 | \$10,710.00 | \$10,710.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$10,710.00 | Wo |
| 22 | 1.2.5 | 1.2.5 Layer 4-6 Ready |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 23 | 1.2.6 | 1.2.6 Hybrids Assembly \& Wirebonding |  | \$0.00 | \$0.00 | \$27,000.00 | \$27,000.00 | \$27,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$27,000.00 | Wo |
|  |  | Subcontract Santa Cruz |  | \$0.00 | \$0.00 | \$27,000.00 | \$27,000.00 | \$27,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$27,000.00 | Wo |
| 24 | 1.2.7 | 1.2.7 C-Support |  | \$21,579.12 | \$25,894.94 | \$2,160.00 | \$2,592.00 | \$28,486.94 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,486.94 | Wo |
|  |  | Matt Swift (MD) |  | \$11,138.40 | \$13,366.08 | \$0.00 | \$0.00 | \$13,366.08 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$13,366.08 | Wo |
|  |  | Matt McCulloch (MT) |  | \$2,178.72 | \$2,614.46 | \$0.00 | \$0.00 | \$2,614.46 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,614.46 | Wo |
|  |  | C-support |  | \$0.00 | \$0.00 | \$2,160.00 | \$2,592.00 | \$2,592.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,592.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |


| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | $\begin{gathered} \text { Total } \\ \text { Infrastructures } \end{gathered}$ | Total Capital Equipments | Det |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$8,262.00 | \$9,914.40 | \$0.00 | \$0.00 | \$9,914.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,914.40 | Wo |
| 25 | 1.2.8 | 1.2.8 DAQ Support/Cooling |  | \$18,360.00 | \$25,704.00 | \$3,725.00 | \$5,215.00 | \$30,919.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$30,919.00 | Wo |
|  |  | Matt Swift (MD) |  | \$,569.20 | \$7,796.88 | \$0.00 | \$0.00 | \$7,796.88 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,796.88 | Wo |
|  |  | Matt McCulloch (MT) |  | \$5,446.80 | \$7,625.52 | \$0.00 | \$0.00 | \$7,625.52 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,625.52 | Wo |
|  |  | DAQ Support |  | \$0.00 | \$0.00 | \$3,725.00 | \$5,215.00 | \$5,215.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,215.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$7,344.00 | \$10,281.60 | \$0.00 | \$0.00 | \$10,281.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$10,281.60 | Wo |
| 26 | 1.2.9 | 1.2.9 Baseplate |  | \$18,360.00 | \$22,032.00 | \$5,400.00 | \$6,480.00 | \$28,512.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,512.00 | Wo |
|  |  | Matt Swift (MD) |  | \$5,569.20 | \$6,683.04 | \$0.00 | \$0.00 | \$6,683.04 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,683.04 | Wo |
|  |  | Matt McCulloch (MT) |  | \$5,446.80 | \$6,536.16 | \$0.00 | \$0.00 | \$6,536.16 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,536.16 | Wo |
|  |  | Baseplate |  | \$0.00 | \$0.00 | \$5,400.00 | \$6,480.00 | \$6,480.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,480.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$7,344.00 | \$8,812.80 | \$0.00 | \$0.00 | \$8,812.80 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,812.80 | Wo |
| 27 | 1.2.10 | 1.2.10 Motion Levers |  | \$10,673.28 | \$12,807.94 | \$4,320.00 | \$5,184.00 | \$17,991.94 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$17,991.94 | Wo |
|  |  | Matt Swift (MD) |  | \$5,569.20 | \$6,683.04 | \$0.00 | \$0.00 | \$6,683.04 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,683.04 | Wo |
|  |  | Matt McCulloch (MT) |  | \$3,268.08 | \$3,921.70 | \$0.00 | \$0.00 | \$3,921.70 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,921.70 | Wo |
|  |  | Flex links |  | \$0.00 | \$0.00 | \$4,320.00 | \$5,184.00 | \$5,184.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,184,00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$1,836.00 | \$2,203.20 | \$0.00 | \$0.00 | \$2,203.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,203.20 | Wo |
| 28 | 1.2.11 | 1.2.11 Vacuum Aanges |  | \$40,269.60 | \$56,377.44 | \$800.00 | \$880.00 | \$57,257,44 | \$0.00 | \$0.00 | \$56,377.44 | \$0.00 | \$880.00 | Wo |
|  |  | Matt Swift (MD) | OP | \$11,138.40 | \$15,593.76 | \$0.00 | \$0.00 | \$15,593.76 | \$0.00 | \$0.00 | \$15,593.76 | \$0.00 | \$0.00 | Wo |
|  |  | Matt McCulloch (MT) | OP | \$21,787.20 | \$30,502.08 | \$0.00 | \$0.00 | \$30,502.08 | \$0.00 | \$0.00 | \$30,502.08 | \$0.00 | \$0.00 | Wo |
|  |  | 8" CF Flange |  | \$0.00 | \$0.00 | \$800.00 | \$880.00 | \$880.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$880.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$7,344.00 | \$10,281.60 | \$0.00 | \$0.00 | \$10,281.60 | \$0.00 | \$0.00 | \$10,281.60 | \$0.00 | \$0.00 | Wo |
| 29 | 1.2.12 | 1.2.12 Shipping Crates |  | \$14,767.56 | \$17,721.07 | \$15,056.00 | \$18,067.20 | \$35,788.27 | \$516.00 | \$0.00 | \$516.00 | \$0.00 | \$35,272.27 | Wo |
|  |  | Matt Swift (MD) |  | \$1,670.76 | \$2,004.91 | \$0.00 | \$0.00 | \$2,004.91 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,004.91 | Wo |
|  |  | Matt McCulloch (MT) |  | \$10,893.60 | \$13,072.32 | \$0.00 | \$0.00 | \$13,072.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$13,072.32 | Wo |
|  |  | Crates |  | \$0.00 | \$0.00 | \$10,756.00 | \$12,907.20 | \$12,907.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$12,907.20 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) |  | \$2,203.20 | \$2,643.84 | \$0.00 | \$0.00 | \$2,643.84 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,643.84 | Wo |
|  |  | Half-Module Shipping Box |  | \$0.00 | \$0.00 | \$4,300.00 | \$5,160.00 | \$5,160.00 | \$516.00 | \$0.00 | \$516.00 | \$0.00 | \$4,644.00 | Wo |
| 30 | 1.2.13 | 1.2.13 Integration and testing at SLAC |  | \$63,187.20 | \$82,143.36 | \$32,780.00 | \$42,614.00 | \$124,757.36 | \$0.00 | \$0.00 | \$0.00 | \$42,614.00 | \$82,143.36 | Wo |
|  |  | Matt McCulloch (MT) |  | \$43,574.40 | \$56,646.72 | \$0.00 | \$0.00 | \$56,646.72 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$56,646.72 | Wo |
|  |  | Marco Oriunno (ME) |  | \$14,688.00 | \$19,094.40 | \$0.00 | \$0.00 | \$19,094.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$19,094,40 | Wo |
|  |  | Survey Technician SLAC |  | \$4,924.80 | \$6,402.24 | \$0.00 | \$0.00 | \$6,402.24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,402.24 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Chiller | INPA | \$0.00 | \$0.00 | \$29,800.00 | \$38,740.00 | \$38,740.00 | \$0.00 | \$0.00 | \$0.00 | \$38,740.00 | \$0.00 | Wo |
|  |  | Equipment for chiller Control | INPA | \$0.00 | \$0.00 | \$2,980.00 | \$3,874.00 | \$3,874.00 | \$0.00 | \$0.00 | \$0.00 | \$3,874.00 | \$0.00 | Wo |
| 31 | 1.2.14 | 1.2.14 SVT tested and ready for shipment |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |


| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor$\$ 0.00$ | $\begin{array}{l\|} \hline \text { Ltotal } \\ \hline \$ 0.00 \end{array}$ | Material <br> $\$ 0.00$ | Mtotal$\$ 0.00$ | Total <br> $\$ 0.00$ | Spares <br> $\$ 0.00$ | Prototypes$\$ 0.00$ | Total <br> Operations <br> $\$ 0.00$ | Total <br> Infrastructures | Total Capital Equipments $\$ 0.00$ | $\frac{\mathrm{Det}}{\mathrm{Wo}}$ |
|  |  | Per Hansson (Phys) |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 1.2.15 | 1.2.15 Integration at Jlab |  | \$28,029.60 | \$36,438.48 | \$0.00 | \$0.00 | \$36,438.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$36,438.48 | Wo |
|  |  | Marco Oriunno (ME) |  | \$14,688.00 | \$19,094.40 | \$0.00 | \$0.00 | \$19,094.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$19,094.40 | Wo |
|  |  | Ryan Herbst (EE) |  | \$13,341.60 | \$17,344.08 | \$0.00 | \$0.00 | \$17,344.08 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$17,344.08 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 33 | 1.2.16 | 1.2.16 SVT Ready For Installation |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 34 | 1.3 | 13 SVTDAQ |  | \$341,554.16 | \$430,545.39 | \$264,406.20 | \$351,67288 | \$782,218.28 | \$69,503.31 | \$10,796.95 | \$80,300.26 | \$161,765.00 | \$540,153.01 | Wo |
| 35 | 1.3.1 | 13.1 FE Boards |  | \$60,037.20 | \$84,052.08 | \$45,853.80 | \$64,195.32 | \$148,247.40 | \$33,090.50 | \$3,676.72 | \$36,767.22 | \$0.00 | \$111,480.18 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 36 | 1.3.1.1 | 1.3.1.1 ADC |  | \$0.00 | \$0.00 | \$5,760.00 | \$8,064.00 | \$8,064.00 | \$3,628.80 | \$403.20 | \$4,032.00 | \$0.00 | \$4,032.00 | Wo |
|  |  | ADC |  | \$0.00 | \$0.00 | \$5,760.00 | \$8,064.00 | \$8,064.00 | \$3,628.80 | \$403.20 | \$4,032.00 | \$0.00 | \$4,032.00 | Wo |
| 37 | 1.3.1.2 | 1.3.1.2 FPGA |  | \$0.00 | \$0.00 | \$10,756.00 | \$15,058.40 | \$15,058.40 | \$6,776.28 | \$752.92 | \$7,529.20 | \$0.00 | \$7,529.20 | Wo |
|  |  | FPGA |  | \$0.00 | \$0.00 | \$10,756.00 | \$15,058.40 | \$15,058.40 | \$6,776.28 | \$752.92 | \$7,529.20 | \$0.00 | \$7,529.20 | Wo |
| 38 | 1.3.1.3 | 1.3.1.3 Preamps |  | \$0.00 | \$0.00 | \$2,016.00 | \$2,822.40 | \$2,822.40 | \$1,270.08 | \$141.12 | \$1,411.20 | \$0.00 | \$1,411.20 | Wo |
|  |  | Preamp |  | \$0.00 | \$0.00 | \$2,016.00 | \$2,822.40 | \$2,822.40 | \$1,270.08 | \$141.12 | \$1,411.20 | \$0.00 | \$1,411.20 | Wo |
| 39 | 1.3.1.4 | 1.3.1.4 Connector |  | \$0.00 | \$0.00 | \$430.20 | \$602.28 | \$602.28 | \$271.03 | \$30.11 | \$301.14 | \$0.00 | \$301.14 | Wo |
|  |  | Connectors |  | \$0.00 | \$0.00 | \$430.20 | \$602.28 | \$602.28 | \$271.03 | \$30.11 | \$301.14 | \$0.00 | \$301.14 | Wo |
| 40 | 1.3.1.5 | 1.3.1.5 Power |  | \$0.00 | \$0.00 | \$1,075.60 | \$1,505.84 | \$1,505.84 | \$677.63 | \$75.29 | \$752.92 | \$0.00 | \$752.92 | Wo |
|  |  | Power |  | \$0.00 | \$0.00 | \$1,075.60 | \$1,505.84 | \$1,505.84 | \$677.63 | \$75.29 | \$752.92 | \$0.00 | \$752.92 | Wo |
| 41 | 1.3.1.6 | 1.3.1.6 Board |  | \$0.00 | \$0.00 | \$21,512.00 | \$30,116.80 | \$30,116.80 | \$13,552.56 | \$1,505.84 | \$15,058.40 | \$0.00 | \$15,058.40 | Wo |
|  |  | Board |  | \$0.00 | \$0.00 | \$21,512.00 | \$30,116.80 | \$30,116.80 | \$13,552.56 | \$1,505.84 | \$15,058.40 | \$0.00 | \$15,058.40 | Wo |
| 42 | 1.3.1.7 | 1.3.1.7 Assembly |  | \$0.00 | \$0.00 | \$4,304.00 | \$6,025.60 | \$6,025.60 | \$2,711.52 | \$301.28 | \$3,012.80 | \$0.00 | \$3,012.80 | Wo |
|  |  | Assembly |  | \$0.00 | \$0.00 | \$4,304.00 | \$6,025.60 | \$6,025.60 | \$2,711.52 | \$301.28 | \$3,012.80 | \$0.00 | \$3,012.80 | Wo |
| 43 | 1.3.1.8 | 1.3.1.8 Schematic |  | \$20,012.40 | \$28,017.36 | \$0.00 | \$0.00 | \$28,017.36 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,017.36 | Wo |
|  |  | Ben Reese (EE) |  | \$20,012.40 | \$28,017.36 | \$0.00 | \$0.00 | \$28,017.36 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,017.36 | Wo |
| 44 | 1.3.1.9 | 1.3.1.9 Firmware |  | \$26,683.20 | \$37,356.48 | \$0.00 | \$0.00 | \$37,356.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$37,356.48 | Wo |
|  |  | Ryan Herbst (EE) |  | \$26,683.20 | \$37,356.48 | \$0.00 | \$0.00 | \$37,356.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$37,356.48 | Wo |
| 45 | 1.3.1.10 | 1.3.1.10 Assembly |  | \$6,670.80 | \$9,339.12 | \$0.00 | \$0.00 | \$9,339.12 | \$4,202.60 | \$466.96 | \$4,669.56 | \$0.00 | \$4,669.56 | Wo |
|  |  | Ben Reese (EE) |  | \$6,670.80 | \$9,339.12 | \$0.00 | \$0.00 | \$9,339.12 | \$4,202.60 | \$466.96 | \$4,669.56 | \$0.00 | \$4,669.56 | Wo |
| 46 | 1.3.1.11 | 1.3.1.11 Testing |  | \$6,670.80 | \$9,339.12 | \$0.00 | \$0.00 | \$9,339.12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,339.12 | Wo |
|  |  | Ryan Herbst (EE) |  | \$6,670.80 | \$9,339.12 | \$0.00 | \$0.00 | \$9,339.12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,339.12 | Wo |
| 47 | 1.3.2 | 1.3.2 FE Interface Board |  | \$8,004.96 | \$9,605.95 | \$0.00 | \$0.00 | \$9,605.95 | \$9,605.95 | \$0.00 | \$9,605.95 | \$0.00 | \$0.00 | Wo |
|  |  | Interface Board |  | \$0.00 | \$0.00 | \$2,151.00 | \$2,581.20 | \$2,581.20 | \$2,581.20 | \$0.00 | \$2,581.20 | \$0.00 | \$0.00 | Wo |
| 48 | 1.3.2.1 | 1.3.2.1 Schematic |  | \$6,670.80 | \$8,004.96 | \$0.00 | \$0.00 | \$8,004.96 | \$8,004.96 | \$0.00 | \$8,004.96 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) |  | \$6,670.80 | \$8,004.96 | \$0.00 | \$0.00 | \$8,004.96 | \$8,004.96 | \$0.00 | \$8,004.96 | \$0.00 | \$0.00 | Wo |
| 49 | 1.3.2.2 | 1.3.2.2 Assembly |  | \$1,334.16 | \$1,600.99 | \$0.00 | \$0.00 | \$1,600.99 | \$1,600.99 | \$0.00 | \$1,600.99 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) |  | \$1,334.16 | \$1,600.99 | \$0.00 | \$0.00 | \$1,600.99 | \$1,600.99 | \$0.00 | \$1,600.99 | \$0.00 | \$0.00 | Wo |
| 50 | 1.3.2.3 | 1.3.2.3 Firmware Design |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 51 | 1.3.3 | 1.3.3 FE Board Tested w/ hybrid |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 52 | 1.3.4 | 13.4 Fange Board |  | \$20,012.40 | \$25,349.04 | \$18,157.44 | \$25,420.42 | \$50,769.46 | \$6,355.10 | \$3,177.55 | \$9,53266 | \$0.00 | \$41,236.80 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 53 | 1.3.4.1 | 1.3.4.1 Connector |  | \$0.00 | \$0.00 | \$172.80 | \$241.92 | \$241.92 | \$60.48 | \$30.24 | \$00.72 | \$0.00 | \$151.20 | Wo |
|  |  | Connector |  | \$0.00 | \$0.00 | \$172.80 | \$241.92 | \$241.92 | \$60.48 | \$30.24 | \$90.72 | \$0.00 | \$151.20 | Wo |
| 54 | 1.3.4.2 | 1.3.4.2 Fiber |  | \$0.00 | \$0.00 | \$7,228.00 | \$10,119.20 | \$10,119.20 | \$2,529.80 | \$1,264,90 | \$3,794.70 | \$0.00 | \$6,324.50 | Wo |
|  |  | Fiber |  | \$0.00 | \$0.00 | \$7,228.00 | \$10,119.20 | \$10,119.20 | \$2,529.80 | \$1,264.90 | \$3,794.70 | \$0.00 | \$6,324.50 | Wo |


| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | $\begin{gathered} \text { Total } \\ \text { Operations } \end{gathered}$ | $\begin{gathered} \text { Total } \\ \text { Infrastructures } \end{gathered}$ | Total Capital Equipments | Det |
| 55 | 1.3.4.3 | 1.3.4.3 Power |  | \$0.00 | \$0.00 | \$430.24 | \$602.34 | \$602.34 | \$150.58 | \$75.29 | \$225.88 | \$0.00 | \$376.46 | Wo |
|  |  | Power |  | \$0.00 | \$0.00 | \$430.24 | \$602.34 | \$602.34 | \$150.58 | \$75.29 | \$225.88 | \$0.00 | \$376.46 | Wo |
| 56 | 1.3.4.4 | 1.3.4.4 Board |  | \$0.00 | \$0.00 | \$8,604.80 | \$12,046.72 | \$12,046.72 | \$3,011.68 | \$1,505.84 | \$4,517.52 | \$0.00 | \$7,529.20 |  |
|  |  | Board |  | \$0.00 | \$0.00 | \$8,604.80 | \$12,046.72 | \$12,046.72 | \$3,011.68 | \$1,505.84 | \$4,517.52 | \$0.00 | \$7,529.20 | Wo |
| 57 | 1.3.4.5 | 1.3.4.5 Assembly |  | \$0.00 | \$0.00 | \$1,721.60 | \$2,410.24 | \$2,410.24 | \$602.56 | \$301.28 | \$903.84 | \$0.00 | \$1,506.40 | Wo |
|  |  | Assembly |  | \$0.00 | \$0.00 | \$1,721.60 | \$2,410.24 | \$2,410.24 | \$602.56 | \$301.28 | \$903.84 | \$0.00 | \$1,506.40 | Wo |
| 58 | 1.3.4.6 | 1.3.4.6 Schematic |  | \$13,341.60 | \$18,678.24 | \$0.00 | \$0.00 | \$18,678.24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$18,678.24 | Wo |
|  |  | Ben Reese (EE) |  | \$13,341.60 | \$18,678.24 | \$0.00 | \$0.00 | \$18,678.24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$18,678.24 | Wo |
| 59 | 1.3.4.7 | 1.3.4.7 Testing |  | \$6,670.80 | \$6,670.80 | \$0.00 | \$0.00 | \$6,670.80 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,670.80 | Wo |
|  |  | Ryan Herbst (EE) |  | \$6,670.80 | \$6,670.80 | \$0.00 | \$0.00 | \$6,670.80 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,670.80 | Wo |
| 60 | 1.3.5 | 1.3.5 Flange DAQ Tested |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |  |  |
| 61 | 1.3.6 | 13.6 DAQ |  | \$173,440.80 | \$213,465.60 | \$86,049.00 | \$120,468.60 | \$333,934,20 | \$7,529.20 | \$0.00 | \$7,529.20 | \$921,855.40 | \$234,549.60 |  |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 62 | 1.3.6.1 | 1.3.6.1 SVT COB |  | \$0.00 | \$0.00 | \$38,721.00 | \$54,209.40 | \$54,209.40 | \$0.00 | \$0.00 | \$0.00 | \$54,209.40 |  |  |
|  |  | SVT COB | INPRA | \$0.00 | \$0.00 | \$38,721.00 | \$54,209.40 | \$54,209.40 | \$0.00 | \$0.00 | \$0.00 | \$54,209.40 | \$0.00 | Wo |
| 63 | 1.3.6.2 | 1.3.6.2 RTM |  | \$0.00 | \$0.00 | \$16,134.00 | \$22,587.60 | \$22,587.60 | \$0.00 | \$0.00 | \$0.00 | \$22,587.60 |  |  |
|  |  | RTM | INPRA | \$0.00 | \$0.00 | \$16,134.00 | \$22,587.60 | \$22,587.60 | \$0.00 | \$0.00 | \$0.00 | \$22,587.60 | \$0.00 |  |
| 64 | 1.3.6.3 | 1.3.6.3 Custom Board |  | \$0.00 | \$0.00 | \$16,134.00 | \$22,587.60 | \$22,587.60 | \$7,529.20 | \$0.00 | \$7,529.20 | \$0.00 | \$15,058.40 | Wo |
|  |  | Custom Board |  | \$0.00 | \$0.00 | \$16,134.00 | \$22,587.60 | \$22,587.60 | \$7,529.20 | \$0.00 | \$7,529.20 | \$0.00 | \$15,058.40 | Wo |
| 65 | 1.3.6.4 | 1.3.6.4 Crates |  | \$0.00 | \$0.00 | \$10,756.00 | \$15,058.40 | \$15,058.40 | \$0.00 | \$0.00 | \$0.00 | \$15,058.40 | \$0.00 |  |
|  |  | Crates | INPRA | \$0.00 | \$0.00 | \$10,756.00 | \$15,058.40 | \$15,058.40 | \$0.00 | \$0.00 | \$0.00 | \$15,058.40 | \$0.00 | Wo |
| 66 | 1.3.6.5 | 1.3.6.5 Fiber Cables |  | \$0.00 | \$0.00 | \$4,304.00 | \$6,025.60 | \$6,025.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,025.60 |  |
|  |  | Fiber Cables |  | \$0.00 | \$0.00 | \$4,304.00 | \$6,025.60 | \$6,025.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,025.60 |  |
| 67 | 1.3.6.6 | 1.3.6.6 Schematic |  | \$26,683.20 | \$37,356.48 | \$0.00 | \$0.00 | \$37,356.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$37,356.48 | Wo |
|  |  | Ben Reese (EE) |  | \$26,683.20 | \$37,356.48 | \$0.00 | \$0.00 | \$37,356.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$37,356.48 | Wo |
| 68 | 1.3.6.7 | 1.3.6.7 Firmware |  | \$53,366.40 | \$64,039.68 | \$0.00 | \$0.00 | \$64,039.68 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$64,039.68 |  |
|  |  | Ryan Herbst (EE) |  | \$26,683.20 | \$37,356.48 | \$0.00 | \$0.00 | \$37,356.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$37,356.48 | Wo |
|  |  | Ben Reese (EE) |  | \$26,683.20 | \$26,683.20 | \$0.00 | \$0.00 | \$26,683.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$26,683.20 | Wo |
| 69 | 1.3.6.8 | 1.3.6.8 Software |  | \$53,366.40 | \$64,039.68 | \$0.00 | \$0.00 | \$64,039.68 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$64,039.68 |  |
|  |  | Ryan Herbst (EE) |  | \$26,683.20 | \$37,356.48 | \$0.00 | \$0.00 | \$37,356.48 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$37,356.48 | Wo |
|  |  | Ben Reese (EE) |  | \$26,683.20 | \$26,683.20 | \$0.00 | \$0.00 | \$26,683.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$26,683.20 |  |
| 70 | 1.3.6.9 | 1.3.6.9 Testing |  | \$40,024.80 | \$48,029.76 | \$0.00 | \$0.00 | \$48,029.76 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$48,029.76 |  |
|  |  | Ryan Herbst (EE) |  | \$20,012.40 | \$28,017.36 | \$0.00 | \$0.00 | \$28,017.36 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$28,017.36 | Wo |
|  |  | Ben Reese (EE) |  | \$20,012.40 | \$20,012.40 | \$0.00 | \$0.00 | \$20,012.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$20,012.40 | Wo |
| 71 | 1.3.7 | 1.3.7 DAQ Full system Test |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |  |  |
| 72 | 1.3.8 | 13.8 Hybrid |  | \$40,024.80 | \$48,029.76 | \$21,386.16 | \$25,663.39 | \$73,693.15 | \$7,128.72 | \$1,425.74 | \$8,554.46 | \$0.00 | \$65,138.69 |  |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |  |
| 73 | 1.3.8.1 | 1.3.8.1 Hybrid Misc Part |  | \$0.00 | \$0.00 | \$8,871.12 | \$10,645.34 | \$10,645.34 | \$2,957.04 | \$591.41 | \$3,548.45 | \$0.00 | \$7,096.90 | Wo |
|  |  | Hybrid Misc Part |  | \$0.00 | \$0.00 | \$2,904.12 | \$3,484,94 | \$3,484.94 | \$968.04 | \$193.61 | \$1,161.65 | \$0.00 | \$2,323.30 | Wo |
|  |  | APV25 |  | \$0.00 | \$0.00 | \$5,967.00 | \$7,160.40 | \$7,160.40 | \$1,989.00 | \$397.80 | \$2,386.80 | \$0.00 | \$4,773.60 | Wo |
| 74 | 1.3.8.2 | 1.3.8.2 Hybrid Board |  | \$0.00 | \$0.00 | \$7,744.32 | \$9,293.18 | \$9,293.18 | \$2,581.44 | \$516.29 | \$3,097.73 | \$0.00 | \$6,195.46 | Wo |
|  |  | Hybrid Board |  | \$0.00 | \$0.00 | \$7,744.32 | \$9,293.18 | \$9,293.18 | \$2,581.44 | \$516.29 | \$3,097.73 | \$0.00 | \$6,195.46 | Wo |
| 75 | 1.3.8.3 | 1.3.8.3 Hybrid Assembly |  | \$0.00 | \$0.00 | \$4,770.72 | \$5,724.86 | \$5,724.86 | \$1,590.24 | \$318.05 | \$1,908.29 | \$0.00 | \$3,816.58 | Wo |
|  |  | Hybrid Assembly |  | \$0.00 | \$0.00 | \$4,770.72 | \$5,724.86 | \$5,724.86 | \$1,590.24 | \$318.05 | \$1,908.29 | \$0.00 | \$3,816.58 | Wo |
| 76 | 1.3.8.4 | 1.3.8.4 Schematic |  | \$13,341.60 | \$16,009.92 | \$0.00 | \$0.00 | \$16,009.92 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$16,009.92 |  |
|  |  | Ryan Herbst (EE) |  | \$13,341.60 | \$16,009.92 | \$0.00 | \$0.00 | \$16,009.92 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$16,009.92 |  |

Page 5

| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | $\begin{array}{c\|} \hline \text { Total } \\ \text { Infrastructures } \\ \hline \end{array}$ | Total Capital  <br> Equipments Det |
| 77 | 1.3.8.5 | 1.3.8.5 Assembly |  | \$20,012.40 | \$24,014.88 | \$0.00 | \$0.00 | \$24,014.88 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$24,014.88 Wo |
|  |  | Ryan Herbst (EE) |  | \$10,006.20 | \$12,007.44 | \$0.00 | \$0.00 | \$12,007.44 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$12,007.44 Wo |
|  |  | Ben Reese (EE) |  | \$10,006.20 | \$12,007.44 | \$0.00 | \$0.00 | \$12,007.44 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$12,007.44 Wo |
| 78 | 1.3.8.6 | 1.3.8.6 Board Testing |  | \$6,670.80 | \$8,004.96 | \$0.00 | \$0.00 | \$8,004.96 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,004.96 Wo |
|  |  | Ben Reese (EE) |  | \$6,670.80 | \$8,004.96 | \$0.00 | \$0.00 | \$8,004.96 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,004.96 Wo |
| 79 | 1.3.8.7 | 1.3.8.7 Hybrid qualification |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Sho Uemura (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 80 | 1.3.8.8 | 1.3.8.8 Single Hybrid qualification |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 81 | 1.3.8.9 | 1.3.8.9 Hybrids Testing |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
|  |  | Sho Uemura (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 82 | 1.3.9 | 13.9 Pex Cable |  | \$33,354.00 | \$41,358.96 | \$9,03216 | \$12,645.02 | \$54,003.98 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$54,003.98 Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 83 | 1.3.9.1 | 1.3.9.1 Misc Parts |  | \$0.00 | \$0.00 | \$1,290.72 | \$1,807.01 | \$1,807.01 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,807.01 Wo |
|  |  | SVT Cable Misc parts |  | \$0.00 | \$0.00 | \$1,290.72 | \$1,807.01 | \$1,807.01 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,807.01 Wo |
| 84 | 1.3.9.2 | 1.3.9.2 Cable |  | \$0.00 | \$0.00 | \$5,160.00 | \$7,224.00 | \$7,224.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,224.00 Wo |
|  |  | SVT Cable |  | \$0.00 | \$0.00 | \$5,160.00 | \$7,224.00 | \$7,224.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$7,224.00 Wo |
| 85 | 1.3.9.3 | 1.3.9.3 Assembly |  | \$0.00 | \$0.00 | \$2,581.44 | \$3,614.02 | \$3,614.02 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,614.02 Wo |
|  |  | ST Cable Assembly |  | \$0.00 | \$0.00 | \$2,581.44 | \$3,614.02 | \$3,614.02 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,614.02 Wo |
| 86 | 1.3.9.4 | 1.3.9.4 Schematic |  | \$26,683.20 | \$32,019.84 | \$0.00 | \$0.00 | \$32,019.84 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$32,019.84 Wo |
|  |  | Ryan Herbst (EE) |  | \$13,341.60 | \$18,678.24 | \$0.00 | \$0.00 | \$18,678.24 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$18,678.24 Wo |
|  |  | Ben Reese (EE) |  | \$13,341.60 | \$13,341.60 | \$0.00 | \$0.00 | \$13,341.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$13,341.60 Wo |
| 87 | 1.3.9.5 | 1.3.9.5 Testing |  | \$6,670.80 | \$9,339.12 | \$0.00 | \$0.00 | \$9,339.12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,339.12 Wo |
|  |  | Ryan Herbst (EE) |  | \$6,670.80 | \$9,339.12 | \$0.00 | \$0.00 | \$9,339.12 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$9,339.12 Wo |
| 88 | 1.3.10 | 1.3.10 Flex Cable w/ hybrid\&FE board |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ${ }^{\$ 0.00} \mathrm{Wo}$ |
| 89 | 1.3.11 | 1.3.11 Power Supplies \& Cables |  | \$0.00 | \$0.00 | \$58,258.00 | \$69,909.60 | \$69,909.60 | \$0.00 | \$0.00 | \$0.00 | \$69,909.60 | \$0.00 Wo |
|  |  | SVT HV Unit | INPRA | \$0.00 | \$0.00 | \$30,460.00 | \$36,552.00 | \$36,552.00 | \$0.00 | \$0.00 | \$0.00 | \$36,552.00 | \$0.00 Wo |
|  |  | SVT LV Unit | INPRA | \$0.00 | \$0.00 | \$14,216.00 | \$17,059.20 | \$17,059.20 | \$0.00 | \$0.00 | \$0.00 | \$17,059.20 | \$0.00 Wo |
|  |  | Wiener Crate | INPA | \$0.00 | \$0.00 | \$13,582.00 | \$16,298.40 | \$16,298.40 | \$0.00 | \$0.00 | \$0.00 | \$16,298.40 | \$0.00 Wo |
| 90 | 1.3.12 | 1.3.12 HV/LV Cables |  | \$6,680.00 | \$8,684.00 | \$25,669.64 | \$33,370.53 | \$42,054.53 | \$5,793.84 | \$2,516.93 | \$8,310.77 | \$0.00 | \$33,743.76 Wo |
|  |  | LV PS connector |  | \$0.00 | \$0.00 | \$90.90 | \$118.17 | \$118.17 | \$78.78 | \$0.00 | \$78.78 | \$0.00 | \$39.39 Wo |
|  |  | LV PS connector FE board |  | \$0.00 | \$0.00 | \$484.02 | \$629.23 | \$629.23 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$629.23 Wo |
|  |  | LV PS connector flange side |  | \$0.00 | \$0.00 | \$90.72 | \$117.94 | \$117.94 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$117.94 Wo |
|  |  | LV PS connector flange vacuum side |  | \$0.00 | \$0.00 | \$430.40 | \$559.52 | \$559.52 | \$139.88 | \$69.94 | \$209.82 | \$0.00 | \$349.70 Wo |
|  |  | LV PS wire outside vacuu |  | \$0.00 | \$0.00 | \$384.00 | \$499.20 | \$499.20 | \$83.20 | \$0.00 | \$83.20 | \$0.00 | \$416.00 Wo |
|  |  | HV connector flange vacuum side |  | \$0.00 | \$0.00 | \$13,767.68 | \$17,897.98 | \$17,897.98 | \$4,474.50 | \$2,237.25 | \$6,711.74 | \$0.00 | \$11,186.24 Wo |
|  |  | HV connector FE board |  | \$0.00 | \$0.00 | \$954.00 | \$1,240.20 | \$1,240.20 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,240.20 Wo |
|  |  | HV connector flange |  | \$0.00 | \$0.00 | \$1,290.72 | \$1,67.94 | \$1,677.94 | \$419.48 | \$209.74 | \$629.23 | \$0.00 | \$1,048.71 Wo |
|  |  | HV PS cable incl. connector |  | \$0.00 | \$0.00 | \$2,300.00 | \$2,990.00 | \$2,990.00 | \$598.00 | \$0.00 | \$598.00 | \$0.00 | \$2,392.00 Wo |
|  |  | HV wire vacuum |  | \$0.00 | \$0.00 | \$499.20 | \$648.96 | \$648.96 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$648.96 Wo |
|  |  | Flange Board |  | \$0.00 | \$0.00 | \$5,378.00 | \$6,991.40 | \$6,991.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$6,991.40 Wo |
|  |  | SLAC Cable shop |  | \$6,680.00 | \$8,684.00 | \$0.00 | \$0.00 | \$8,684.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$8,684.00 Wo |
| 91 | 1.4 | 14 ECAL |  | \$8,966.40 | \$11,656.32 | \$4,500.00 | \$5,850.00 | \$17,506.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$17,506.32 Wo |
| 92 | 1.4.9 | 1.4.1 Motherborads |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 93 | 1.4.9.1 | 1.4.1.1 MB Mechanics |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | ME Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |


| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | $\begin{array}{\|c\|} \hline \text { Total } \\ \text { Infrastructures } \\ \hline \end{array}$ | Total Capital  <br> Equipments Det |
| 94 | 1.4.9.2 | 1.4.1.2 MB Design |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | EE INFN |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 95 | 1.4.9.3 | 1.4.1.3 MB Construction |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | EE INFN |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 96 | 1.4.9.4 | 1.4.1.4 MB Test |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | EE INFN |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 97 | 1.4.9.5 | 1.4.1.5 Ship to IPN Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 98 | 1.4.9.6 | 1.4.1.6 Mecahncial assembly |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | ME Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 99 | 1.4.9.7 | 1.4.1.7 Ship to JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 100 | 1.4.10 | 1.4.2 Preamplifiers |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ${ }^{50.00}$ Wo |
| 101 | 1.4.10.1 | 1.4.2.1 PA Tests |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00 \mathrm{Wo}$ |
|  |  | EE Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 102 | 1.4.10.2 | 1.4.2.2 Procurement parts |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | EE Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 103 | 1.4.10.3 | 1.4.2.3 APD Decision deadline |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 104 | 1.4.10.4 | 1.4.2.4 PA Production |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00 \mathrm{Wo}$ |
|  |  | EE Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 105 | 1.4.10.5 | 1.4.2.5 PA Test |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | EE Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 106 | 1.4.10.6 | 1.4.2.6 Ship to JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 107 | 1.4.11 | 1.4.3 Mounting System |  | \$0.00 | \$0.00 | \$4,500.00 | \$5,850.00 | \$5,850.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,850.00 Wo |
| 108 | 1.4.11.1 | 1.4.3.1 MS Design |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | ME Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 109 | 1.4.11.2 | 1.4.3.2 MS Construction |  | \$0.00 | \$0.00 | \$4,500.00 | \$5,850.00 | \$5,850.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,850.00 Wo |
|  |  | ECAL Mounting System |  | \$0.00 | \$0.00 | \$4,500.00 | \$5,850.00 | \$5,850.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$5,850.00 Wo |
| 110 | 1.4.12 | 1.4.4 Light Monitoring System |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | ${ }^{\$ 0.00}$ Wo |
| 111 | 1.4.12.1 | 1.4.4.1 LED LMS Design |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | EE INFN |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 112 | 1.4.12.2 | 1.4.4.2 Procurement LED |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00 \mathrm{Wo}$ |
|  | 1.4.5 | 1.4.5 Assembling ECAL |  | \$8,966.40 | \$11,656.32 | \$0.00 | \$0.00 | \$11,656.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$11,656.32 Wo |
|  |  | Phy 2 ECAL JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
|  |  | MT Hall-B |  | \$8,966.40 | \$11,656.32 | \$0.00 | \$0.00 | \$11,656.32 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$11,656.32 Wo |
| 114 | 1.4.6 | 1.4.6 Test and Calibrate Ecal |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Phy 2 ECAL JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Phy 1 ECAI JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Ph1 2 Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
|  |  | Phy 1 Orsay |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 115 | 1.4.8 | 1.4.7 ECAL Ready for the installation |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 116 | 1.5 | 15 TDAQ |  | \$115,51280 | \$151,055.20 | \$10,000.00 | \$10,000.00 | \$161,055.20 | \$0.00 | \$0.00 | \$0.00 | \$10,000.00 | \$151,055.20 Wo |
| 117 | 1.5.1 | 1.5.1 EPICS information into data stream |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00 \mathrm{Wo}$ |
|  |  | EE DAQ JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 Wo |
| 118 | 1.5.2 | 1.5.2 Software TDAQ |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00$ Wo |
| 119 | 1.5.3 | 1.5.3 Hardware TDAQ |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | $\$ 0.00 \mathrm{Wo}$ |
| 120 | 1.5.4 | 1.5.4 Update firmware on FADC250 |  | \$17,771.20 | \$21,325.44 | \$0.00 | \$0.00 | \$21,325.44 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$21,325.44 Wo |
|  |  | Ben Redo (EE) |  | \$17,771.20 | \$21,325.44 | \$0.00 | \$0.00 | \$21,325.44 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$21,325.44 Wo |
| 121 | 1.5.5 | 1.5.5 New firmware for cluster finding |  | \$35,542.40 | \$49,759.36 | \$0.00 | \$0.00 | \$49,759.36 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$49,759.36 Wo |
|  |  | Scott Kenata (EE) |  | \$35,542.40 | \$49,759.36 | \$0.00 | \$0.00 | \$49,759.36 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$49,759.36 Wo |



Page 8

| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | WBS Task Name |  | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | Total Infrastructures | Total Capital Equipments |  |
|  |  | Hovanes Hegiyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 140 | 1.7 | 17 Installation \& Commissioning |  | \$45,244.80 | \$57,936.96 | \$0.00 | \$0.00 | \$57,936.96 | \$0.00 | \$0.00 | \$54,999.36 | \$0.00 | \$2,937.60 | Wo |
| 141 | 1.7.1 | 1.7.1 SVT installation |  | \$2,937.60 | \$2,937.60 | \$0.00 | \$0.00 | \$2,937.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,937.60 | Wo |
|  |  | Marco Oriunno (ME) |  | \$2,937.60 | \$2,937.60 | \$0.00 | \$0.00 | \$2,937.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$2,937.60 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 142 | 1.7.2 | 1.7.2 SVT Commissioning | OP | \$6,670.80 | \$8,672.04 | \$0.00 | \$0.00 | \$8,672.04 | \$0.00 | \$0.00 | \$8,672.04 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$6,670.80 | \$8,672.04 | \$0.00 | \$0.00 | \$8,672.04 | \$0.00 | \$0.00 | \$8,672.04 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 143 | 1.7.3 | 1.7.3 ECAL Commissioning | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | ET Orsay | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | MT Orsay | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 2 ECAL JLAB | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 144 | 1.7.4 | 1.7.4 TDAQ Commissioning | OP | \$28,204.80 | \$36,666.24 | \$0.00 | \$0.00 | \$36,666.24 | \$0.00 | \$0.00 | \$36,666.24 | \$0.00 | \$0.00 | Wo |
|  |  | EE Hall-B JLAB | OP | \$8,885.60 | \$11,551.28 | \$0.00 | \$0.00 | \$11,551.28 | \$0.00 | \$0.00 | \$11,551.28 | \$0.00 | \$0.00 | Wo |
|  |  | ET Hall-B JLAB | OP | \$5,977.60 | \$7,770.88 | \$0.00 | \$0.00 | \$7,770.88 | \$0.00 | \$0.00 | \$7,770.88 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$13,341.60 | \$17,344.08 | \$0.00 | \$0.00 | \$17,344.08 | \$0.00 | \$0.00 | \$17,344.08 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 JD | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 145 | 1.7.5 | 1.7.5 Slow Control Commissioning | OP | \$7,431.60 | \$9,661.08 | \$0.00 | \$0.00 | \$9,661.08 | \$0.00 | \$0.00 | \$9,661.08 | \$0.00 | \$0.00 | Wo |
|  |  | EE Hall-B JLAB | OP | \$4,442.80 | \$5,775.64 | \$0.00 | \$0.00 | \$5,775.64 | \$0.00 | \$0.00 | \$5,775.64 | \$0.00 | \$0.00 | Wo |
|  |  | ET Hall-B JLAB | OP | \$2,988.80 | \$3,885.44 | \$0.00 | \$0.00 | \$3,885.44 | \$0.00 | \$0.00 | \$3,885.44 | \$0.00 | \$0.00 | Wo |
|  |  | Hovanes Hegiyan (Phys) | OP | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 146 | 1.7.6 | 1.7.6 HPS ready for the beam |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 147 | 1.8 | 18 घectron Running |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 148 | 1.8.1 | 1.8.1 Beamline Commissioning (2014) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Hovanes Hegiyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 JD |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 M |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 2 ECAL JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 149 | 1.8.2 | 1.8.2 Detector Commissioning Run (2014) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Hovanes Hegiyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 JD |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 M |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 2 ECAL JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 150 | 1.8.3 | 1.8.3 Data Run 2.2GeV (2014) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 151 | 1.8.4 | 1.8.4 Data Run 1.1 GeV (2014) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 152 | 1.8 .5 | 1.8.5 Beamline recommissioning (2015) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Hovanes Hegiyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |

Page 9

| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | $\begin{gathered} \text { Total } \\ \text { Infrastructures } \end{gathered}$ | Total Capital Equipments | Det |
|  |  | Phy 1 JD |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 M |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 2 ECAL JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 153 | 1.8.6 | 1.8.6 Data Run (2015) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Stepan Stepanyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Hovanes Hegiyan (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 JD |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 1 M |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Phy 2 ECAL JLAB |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) |  | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | Wo |
| 154 | 1.9 | 1.9 SLAC Travel Meetings |  | \$103,963.50 | \$124,756.20 | \$0.00 | \$0.00 | \$124,756.20 | \$0.00 | \$0.00 | \$124,756.20 | \$0.00 | \$0.00 | Wo |
| 155 | 1.9.1 | 1.9.1 Consultation 1 at JLAB |  | \$6,273.00 | \$7,527.60 | \$0.00 | \$0.00 | \$7,527.60 | \$0.00 | \$0.00 | \$7,527.60 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
| 156 | 1.9.2 | 1.9.2 Collaboration Meeting November 2013 | OP | \$18,283.50 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 2 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Sho Uemura (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Matt Graham (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Takashi Maruyama (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | John Jaros (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
| 157 | 1.9.3 | 1.9.3 Consultation 2 at JLAB |  | \$6,273.00 | \$7,527.60 | \$0.00 | \$0.00 | \$7,527.60 | \$0.00 | \$0.00 | \$7,527.60 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
| 158 | 1.9.4 | 1.9.4 Collaboration Meeting November 2014 |  | \$18,283,50 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Matt Graham (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Takashi Maruyama (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Sho Uemura (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |


| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | $\begin{gathered} \text { Total } \\ \text { Operations } \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { Total } \\ \text { Infrastructures } \\ \hline \end{array}$ | Total Capital Equipments | Det |
|  |  | Rental Car 2 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | John Jaros (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
| 159 | 1.9.5 | 1.9.5 Collaboration Meeting May 2015 |  | \$18,283.50 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | Wo |
|  |  | John Jaros (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Matt Graham (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Takashi Maruyama (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Sho Uemura (Phys) | ${ }_{O P}$ | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 2 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
| 160 | 1.9.6 | 1.9.6 Collaboration Meeting November 2015 |  | \$18,283.50 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | Wo |
|  |  | John Jaros (Phys) | ${ }_{O P}$ | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Matt Graham (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Takashi Maruyama (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Sho Uemura (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 2 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
| 161 | 1.9.7 | 1.9.7 Collaboration Meeting May 2016 |  | \$18,283.50 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | \$21,940.20 | \$0.00 | \$0.00 | Wo |
|  |  | John Jaros (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ken Moffeit (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Marco Oriunno (ME) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Matt Graham (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Per Hansson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Ryan Herbst (EE) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Sho Uemura (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Takashi Maruyama (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Tim Nelson (Phys) | OP | \$1,912.50 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | \$2,295.00 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 1 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
|  |  | Rental Car 2 | OP | \$535.50 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | \$642.60 | \$0.00 | \$0.00 | Wo |
| 162 | 1.10 | 110 SLAC Travel for Commissioning and Running |  | \$112,149.00 | \$155,86110 | \$0.00 | \$0.00 | \$155,86110 | \$0.00 | \$0.00 | \$129,728.70 | \$0.00 | \$26,13240 | Wo |
| 163 | 1.10 .1 | 1.10.1 Integration and Installation SVT at JLAB |  | \$18,666.00 | \$26,132.40 | \$0.00 | \$0.00 | \$26,132.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$26,132.40 | Wo |
|  |  | Ryan Herbst (EE) |  | \$2,754.00 | \$3,855.60 | \$0.00 | \$0.00 | \$3,855.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,855.60 | Wo |
|  |  | Tim Nelson (Phys) |  | \$2,754.00 | \$,855.60 | \$0.00 | \$0.00 | \$3,855.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,855.60 | Wo |
|  |  | Per Hansson (Phys) |  | \$2,754.00 | \$3,855.60 | \$0.00 | \$0.00 | \$3,855.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,855.60 | Wo |
|  |  | Takashi Maruyama (Phys) |  | \$2,754.00 | \$3,855.60 | \$0.00 | \$0.00 | \$3,855.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,855.60 | Wo |
|  |  | Sho Uemura (Phys) |  | \$2,754.00 | \$,855.60 | \$0.00 | \$0.00 | \$3,855.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,855.60 | Wo |
|  |  | Rental Car 1 |  | \$1,071.00 | \$1,499.40 | \$0.00 | \$0.00 | \$1,499.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,499.40 | Wo |
|  |  | Rental Car 2 |  | \$1,071.00 | \$1,499.40 | \$0.00 | \$0.00 | \$1,499.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$1,499.40 | Wo |
|  |  | Marco Oriunno (ME) |  | \$2,754.00 | \$,855.60 | \$0.00 | \$0.00 | \$3,855.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$3,855.60 |  |



| WBS V500 Fri 6/21/13 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| ID | WBS | Task Name | Type | Labor | Ltotal | Material | Mtotal | Total | Spares | Prototypes | Total Operations | $\begin{gathered} \text { Total } \\ \text { Infrastructures } \end{gathered}$ | Total Capital Equipments | Det |
|  |  | UCSC Travel | OP | \$0.00 | \$0.00 | \$6,000.00 | \$6,000.00 | \$6,000.00 | \$0.00 | \$0.00 | \$6,000.00 | \$0.00 | \$0.00 | Wo |
| 174 | 1.12.2 | 1.12.2 UCSC FY14 |  | \$0.00 | \$0.00 | \$119,641.00 | \$119,641.00 | \$119,641.00 | \$0.00 | \$0.00 | \$119,641.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Omar Moreno | OP | \$0.00 | \$0.00 | \$86,400.00 | \$86,400.00 | \$86,400.00 | \$0.00 | \$0.00 | \$86,400.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Travel | OP | \$0.00 | \$0.00 | \$12,600.00 | \$12,600.00 | \$12,600.00 | \$0.00 | \$0.00 | \$12,600.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Vitaliy Fadeyev | OP | \$0.00 | \$0.00 | \$13,000.00 | \$13,000.00 | \$13,000.00 | \$0.00 | \$0.00 | \$13,000.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC M\&S | OP | \$0.00 | \$0.00 | \$7,641.00 | \$7,641.00 | \$7,641.00 | \$0.00 | \$0.00 | \$7,641.00 | \$0.00 | \$0.00 | Wo |
| 175 | 1.12.3 | 1.12.3 UCSC FY15 |  | \$0.00 | \$0.00 | \$159,531.60 | \$159,531.60 | \$159,531.60 | \$0.00 | \$0.00 | \$159,531.60 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC M\&S | OP | \$0.00 | \$0.00 | \$7,131.60 | \$7,131.60 | \$7,131.60 | \$0.00 | \$0.00 | \$7,131.60 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Omar Moreno | OP | \$0.00 | \$0.00 | \$96,800.00 | \$96,800.00 | \$96,800.00 | \$0.00 | \$0.00 | \$96,800.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Travel | OP | \$0.00 | \$0.00 | \$42,600.00 | \$42,600.00 | \$42,600.00 | \$0.00 | \$0.00 | \$42,600.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Vitaliy Fadeyev | OP | \$0.00 | \$0.00 | \$13,000.00 | \$13,000.00 | \$13,000.00 | \$0.00 | \$0.00 | \$13,000.00 | \$0.00 | \$0.00 | Wo |
| 176 | 1.12 .4 | 1.12.4 UCSC FY16 |  | \$0.00 | \$0.00 | \$130,186.30 | \$130,186.30 | \$130,186.30 | \$0.00 | \$0.00 | \$130,186.30 | \$0.00 |  | Wo |
|  |  | UCSC M\&S | OP | \$0.00 | \$0.00 | \$7,386.30 | \$7,386.30 | \$7,386.30 | \$0.00 | \$0.00 | \$7,386.30 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Omar Moreno | OP | \$0.00 | \$0.00 | \$96,000.00 | \$96,000.00 | \$96,000.00 | \$0.00 | \$0.00 | \$96,000.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Travel | OP | \$0.00 | \$0.00 | \$13,800.00 | \$13,800.00 | \$13,800.00 | \$0.00 | \$0.00 | \$13,800.00 | \$0.00 | \$0.00 | Wo |
|  |  | UCSC Vitaliy Fadeyev | OP | \$0.00 | \$0.00 | \$13,000.00 | \$13,000.00 | \$13,000.00 | \$0.00 | \$0.00 | \$13,000.00 | \$0.00 | \$0.00 | Wo |

