**LAPPD Budget FY19 for EIC R&D**

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| --- | --- | --- | --- |
|  | 100% (task 1-5) | 80% (task 1-4) | 60% (task 1-2,4) |
| Labor | $80k | $65k | $50k |
| Materials | $15k | $10k | $5k |
| Travel | $5k | $5k | $5k |
| ***Total*** | ***$100k*** | ***$80 k*** | ***$60k*** |

Tasks:

1. MCP-PMT after pulse study, better understanding of the ion feedback for LAPPD
2. Improvement of RMS timing characterization by modifying the bias voltages
3. Produce a detector with 5 µm pore size MCP and minimum spacing to further improv magnetic field performance and fast timing (<10 ps) specifically for EIC applications
4. Testing of MCP-PMT/LAPPD with different designs in lab and magnetic field
5. Detailed test and demonstration of capacitive coupling pixelated readout though atomic layer deposition coated glass