

# Detector Benchmarks

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# List of benchmarks (merged into master if not otherwise noted)

- ZDC

- Lambda [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/zdc\\_lambda](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/zdc_lambda)
- Sigma [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/zdc\\_sigma](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/zdc_sigma)
- Photon [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/zdc\\_photon](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/zdc_photon)
- $\pi^0$  [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/zdc\\_pi0](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/zdc_pi0)
- Neutron [https://github.com/eic/detector\\_benchmarks/tree/zdc\\_neutron](https://github.com/eic/detector_benchmarks/tree/zdc_neutron)
  - Note: Barak Schmookler is doing it, not merged.

- Insert

- Muon [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/insert\\_muon](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/insert_muon)
- Neutron [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/insert\\_neutron](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/insert_neutron)
- Tau (hadronic decays) [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/insert\\_tau](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/insert_tau)
  - TODO: update this to include EM/hadronic shower identification, and energy corrections

- FEMC

- Electron [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/femc\\_electron](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/femc_electron)
- Photon [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/femc\\_photon](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/femc_photon)
- $\pi^0$  [https://github.com/eic/detector\\_benchmarks/tree/master/benchmarks/femc\\_pi0](https://github.com/eic/detector_benchmarks/tree/master/benchmarks/femc_pi0)