

validation visualization

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Where we are now

- View *some* images at: https://eic.jlab.org/epic/epic_validation.html
- Select a Pipeline ID, then associated Job IDs will appear, then pick and choose what images you want to look at
 - Only jobs with status="success" are included
- Not all images are included yet based on how the image URLs are constructed

```
/* this makes me cringe but we'll use it for now */
function constructImageUrl(detector, jobId) {
  const baseUrl = 'https://eicweb.phy.anl.gov/EIC/benchmarks/detector_benchmarks/-/jobs/${jobId}/artifacts/raw/results/';

  switch (detector) {
    case 'b0_tracker':
      return `${baseUrl}far_forward/b0/hits_eta.png`;
    case 'barrel_ecal':
      return `${baseUrl}emcal_barrel_electron_Esim.png`;
    case 'barrel_hcal':
      return `${baseUrl}hcal_barrel_kminus_fsam.png`;
    case 'zdc':
      return `${baseUrl}/far_forward/zdc/zdc_xy_map_Hcal.png`;
    case 'pid':
      return `${baseUrl}pid/forward/drich/drich_proton_hits_xy.png`;
    case 'tracking_detectors':
      return `${baseUrl}tracking_detectors/sim_track_hits_trk_endcap_x_vs_y.png`;
    case 'drich':
      return `${baseUrl}pid/forward/drich/drich_e_hits_xy.png`;
  }
}
```

Under development

Front end

- Comparison features:
 - a. Side-by-side view (or multi-select for compare)
 - b. Filtering and sorting
 - Created by, branch, commit
 - c. Zoom / download artifacts
 - d. Visible image “metadata”
- General aesthetics
 - a. Responsive design
 - b. Implementing user feedback

Back end

- Smarter gathering of images
- Inclusion of physics benchmarks
- Eventual comparison by *campaign*, which is probably more useful to user's than pipeline/job id