



# Calibration Touchstones

## Key touchstones to compare our calibrations against

- 2016 sPHENIX test-beam results [\[arXiv:1704.01461\]](#)
  - See fig. 28 for HCal-only resolution, and fig. 31 for EMCal+HCal resolution
    - ☞ **NOTE:** this is *not* for the full detector!
  - Method to make a TGraph from fig. 28 in [pTDR repository](#)
- Yellow Report requirements [\[arXiv:2103.05419\]](#)
  - Esp. see table 8.20
  - Method to make TF1 out of requirement (conservative option) in [pTDR repository](#)
- **Longer term:** will want to compare our jet energy scale/resolution against what we expect from sPHENIX
  - See ch. 8 of the [sPHENIX TDR](#), esp. fig.s 8.22 and 8.28