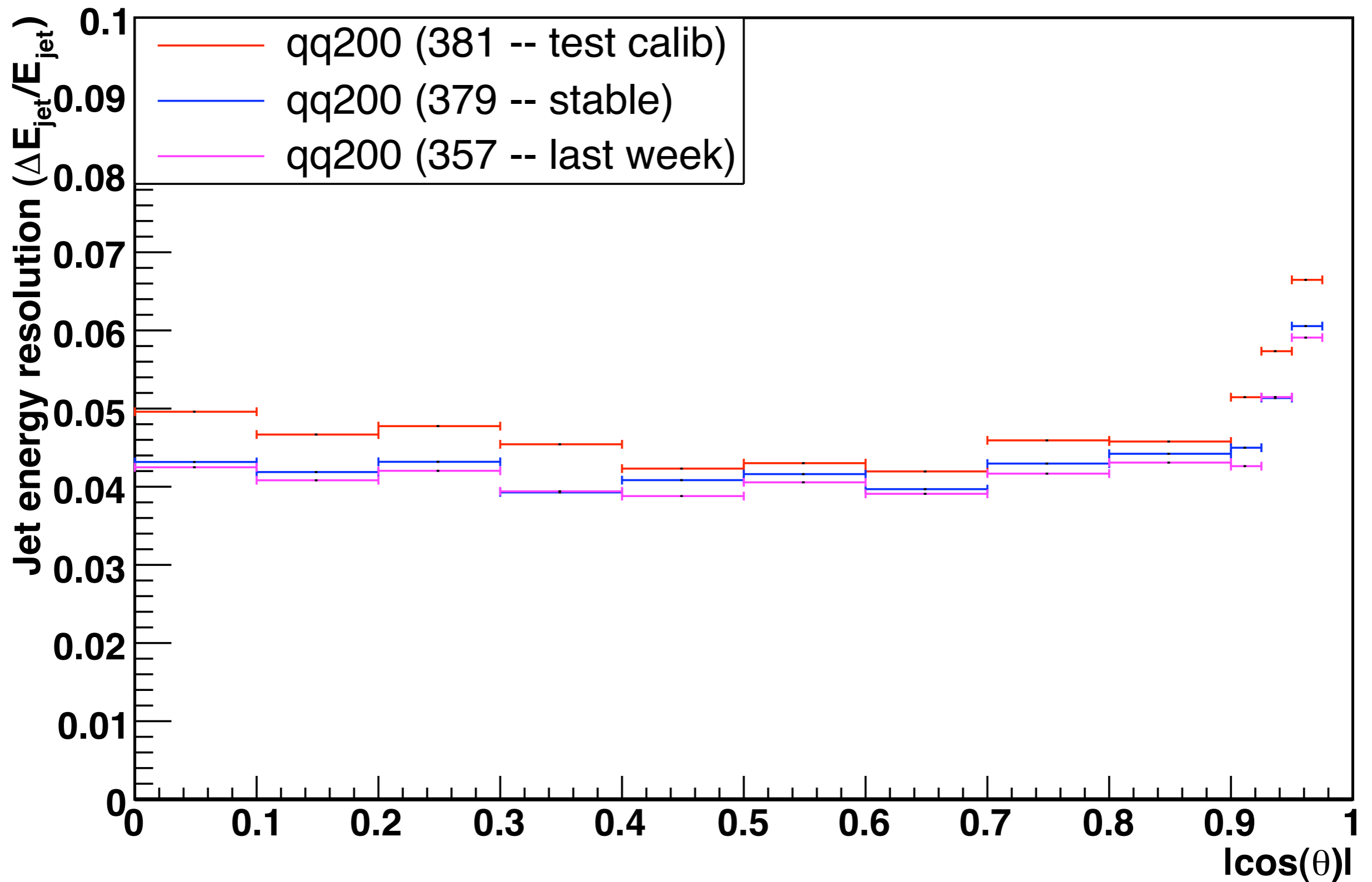
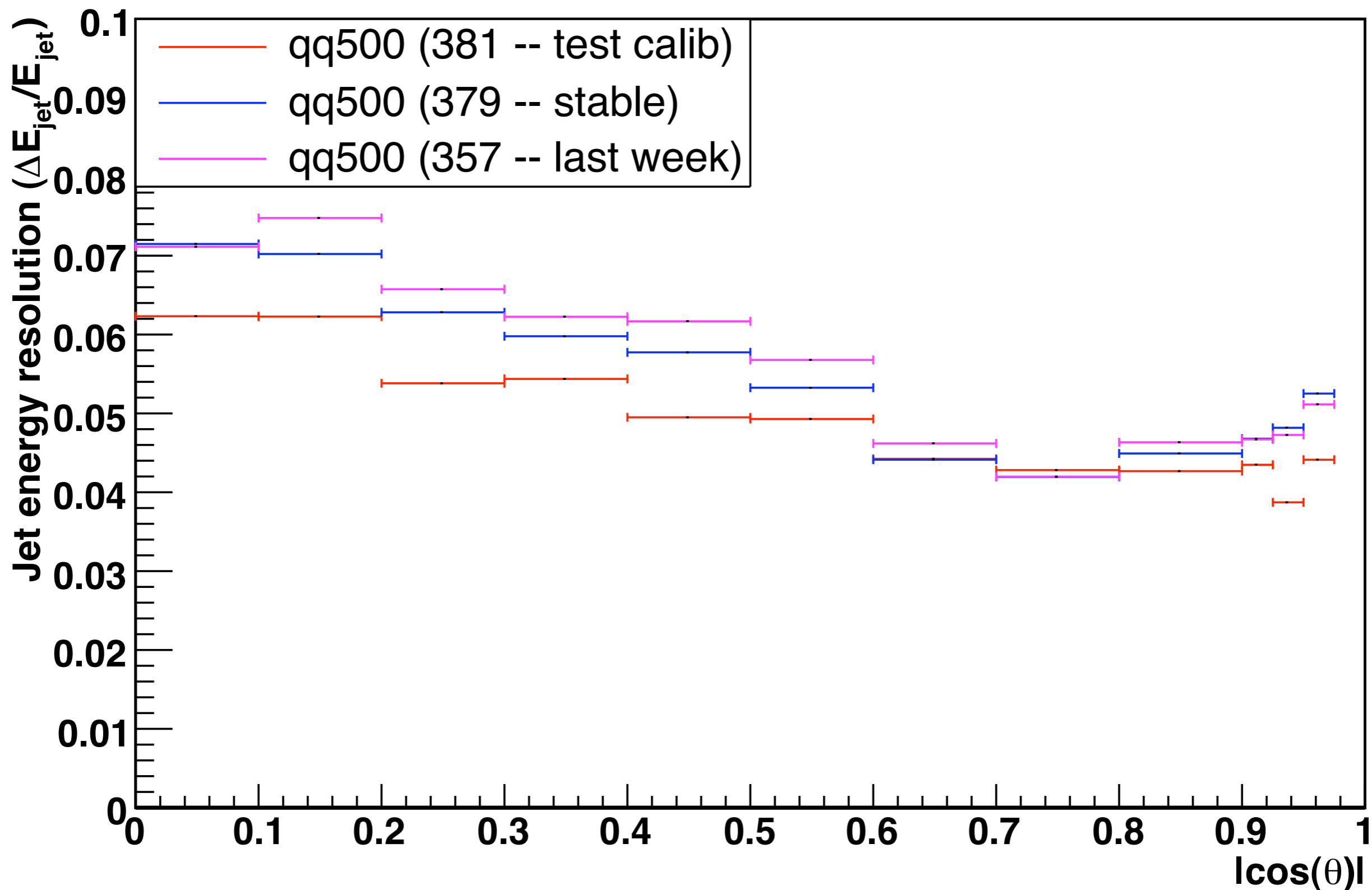


## Testing a new calibration by Ron

- Previously, when we've included MCAL endcaps we've kept the old, sophisticated ECAL+HCAL calibration and tacked the MCAL energy on top.
- But that's not quite right -- the ECAL+HCAL calibration was designed to correct for leakage on a statistical level -- so we're over-counting the MCAL energy deposits.
- Ron has made a test calibration that puts the ECAL, HCAL, and the MCAL endcaps on an equal footing. (Excludes MCAL barrel still.)
- Test calibration is quick & simplistic -- basically just sampling fractions
- It doesn't include angular corrections for digital calorimeters, non-linearity corrections, etc
- Really just looking for proof of principle here -- expect it to do worse than full calibration for low-energy jets that don't use the MCAL.



For 100 GeV jets, test calibration is worse (as expected).



For 250 GeV jets, test calibration improves pretty significantly.  
 Barrel performance surprisingly good -- not fully understood, but a clear pointer that we have potential to improve resolution here.