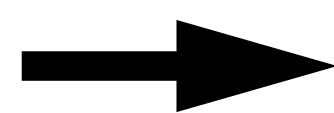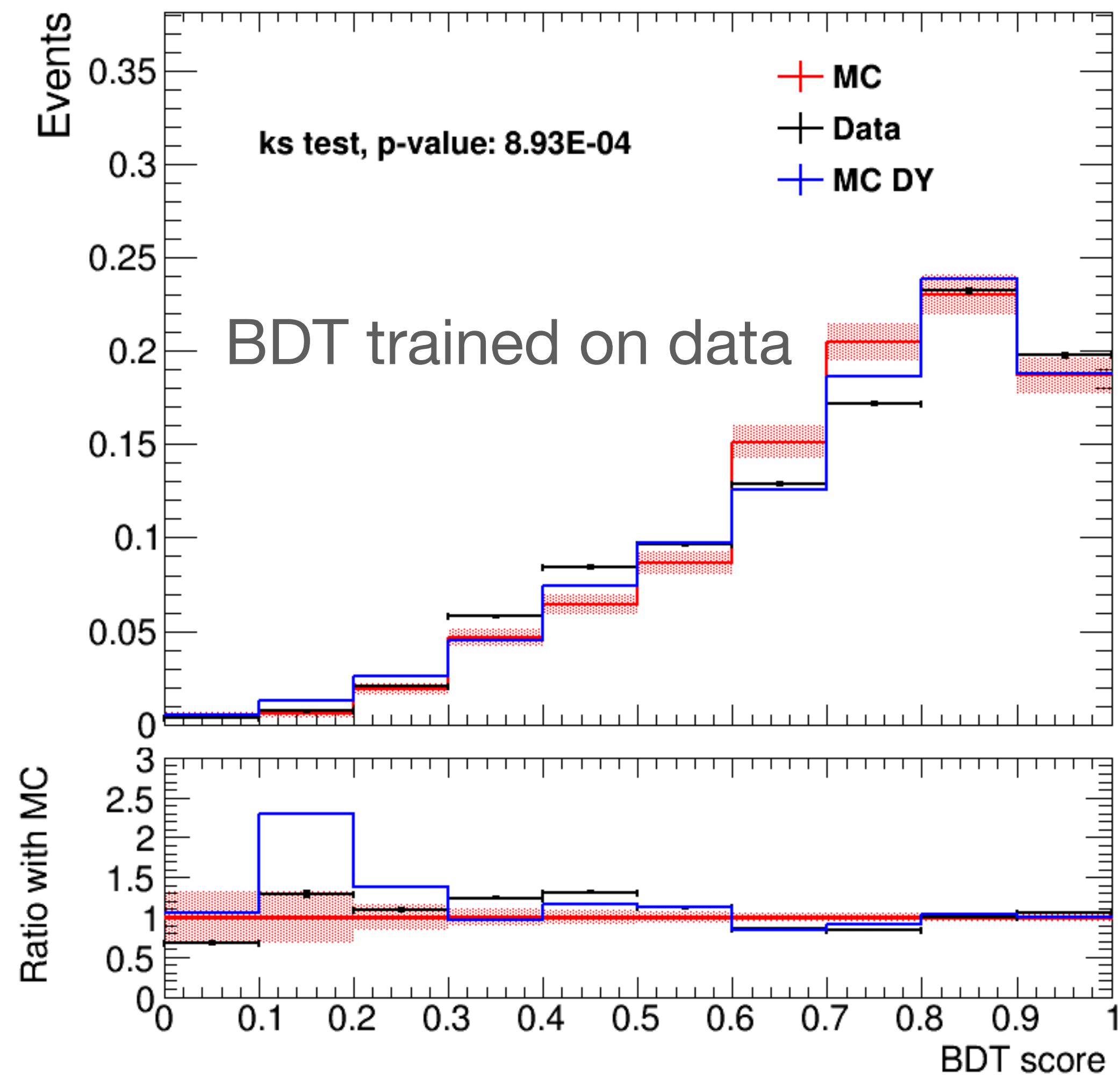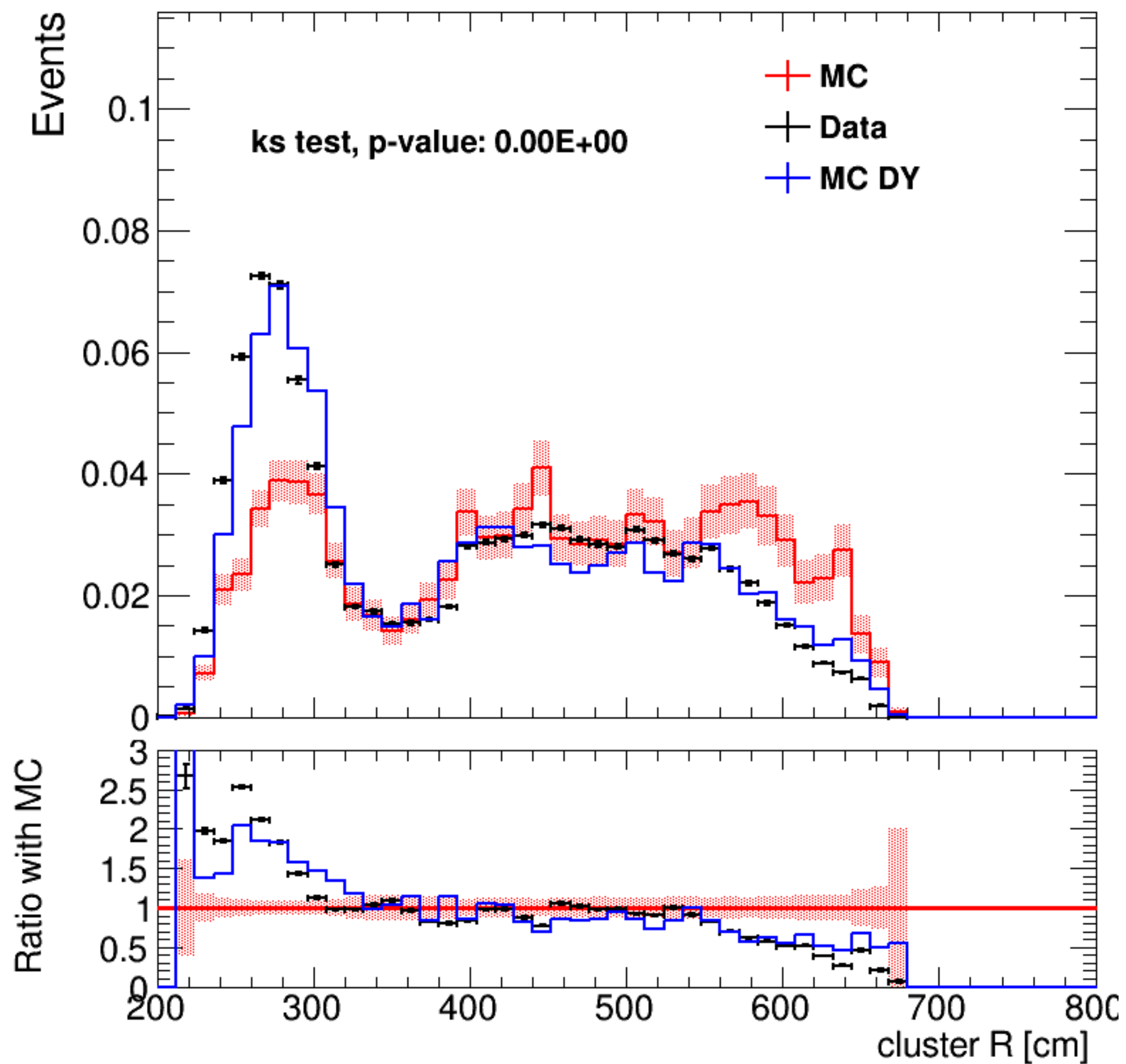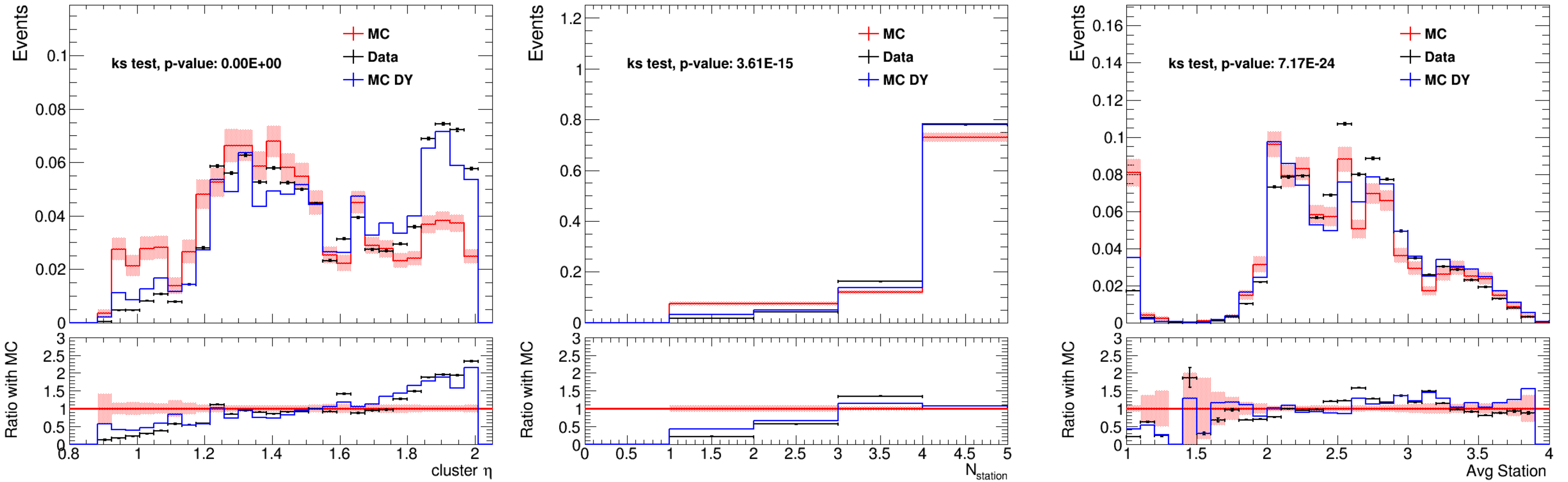# Comparing New DY MC sample to current samples

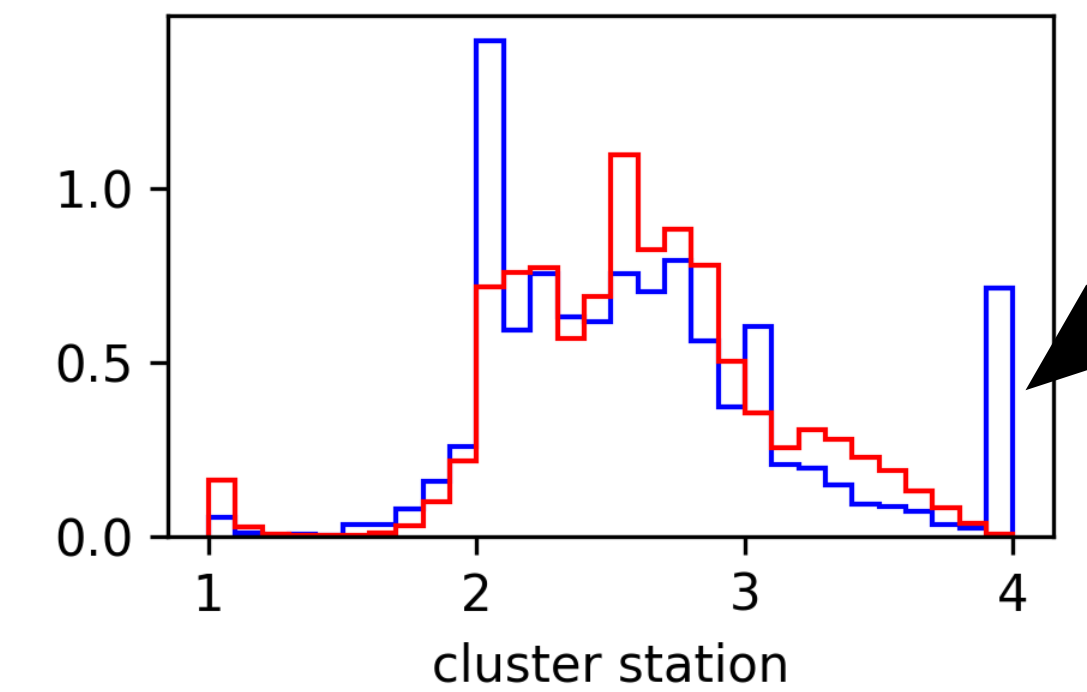**Better Data/MC agreement for DY (for the cluster position)**
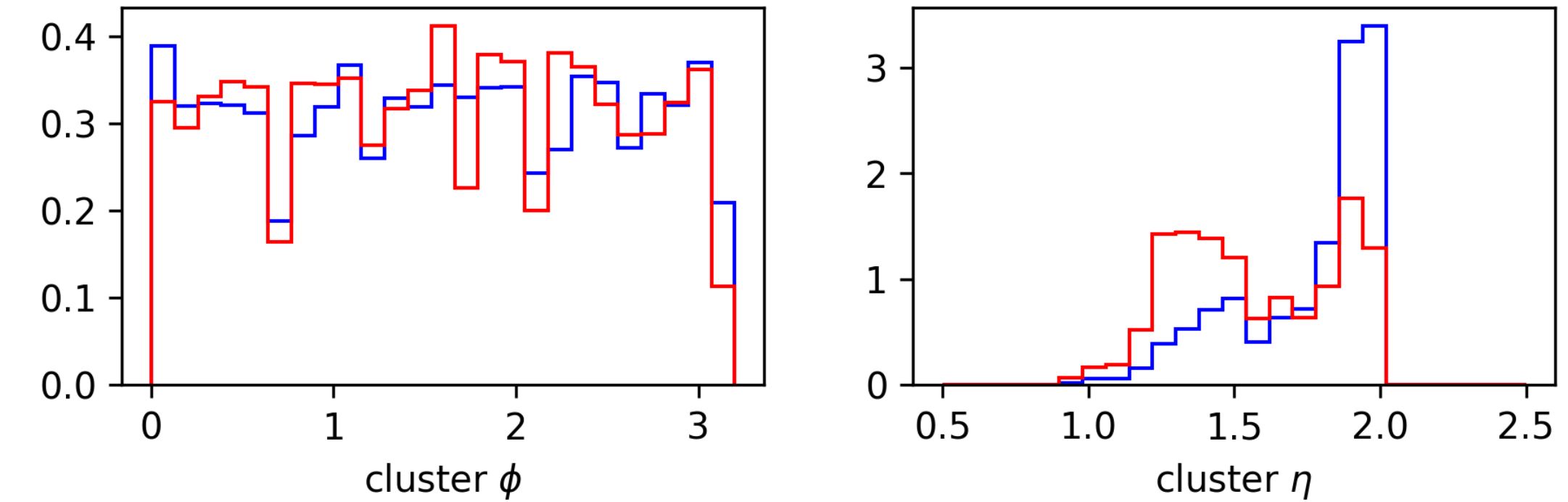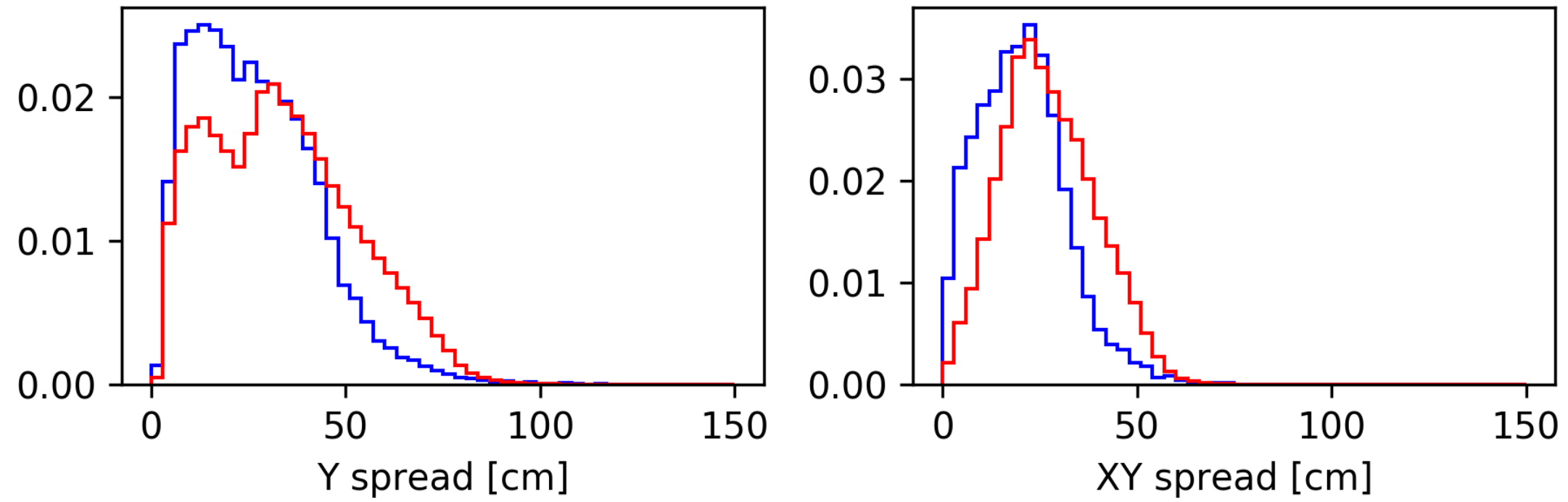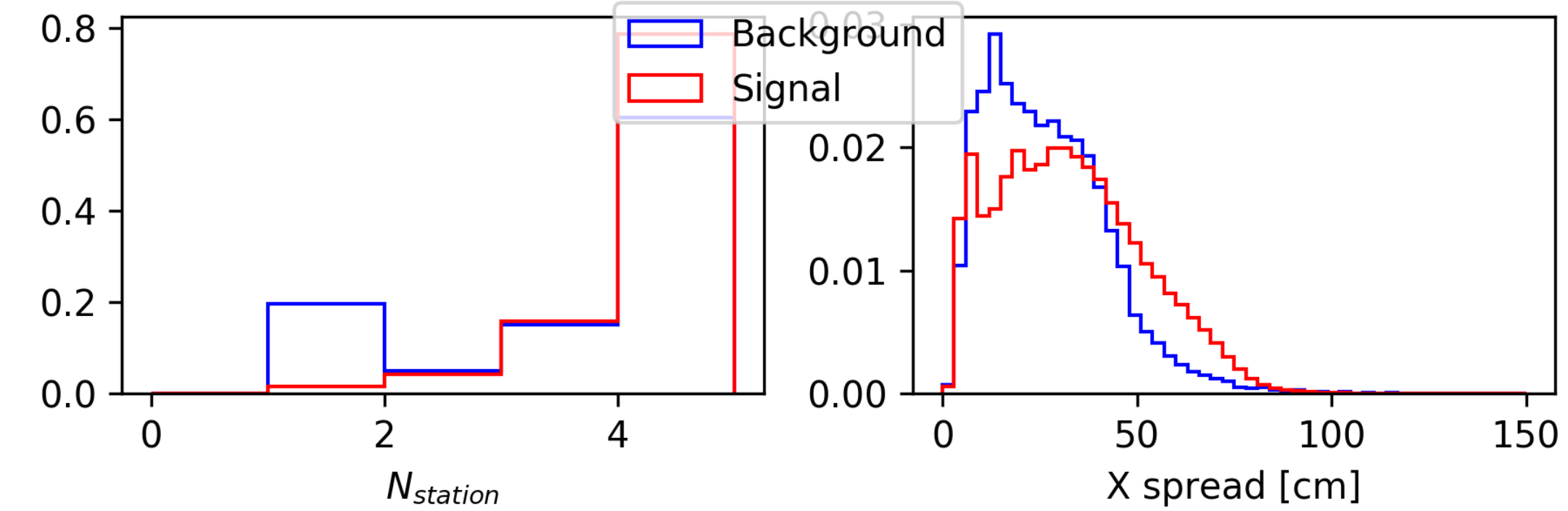
BDT input variables

BDT should agree better with data, not really the case

Next steps:

- Train BDT on DY as signal, oot data as bkg
- Lock at event displays to check if cluster are from radiated photons

Only visible in oot bkg (so not matched to a muon) would expect some sort of peak for signal as well