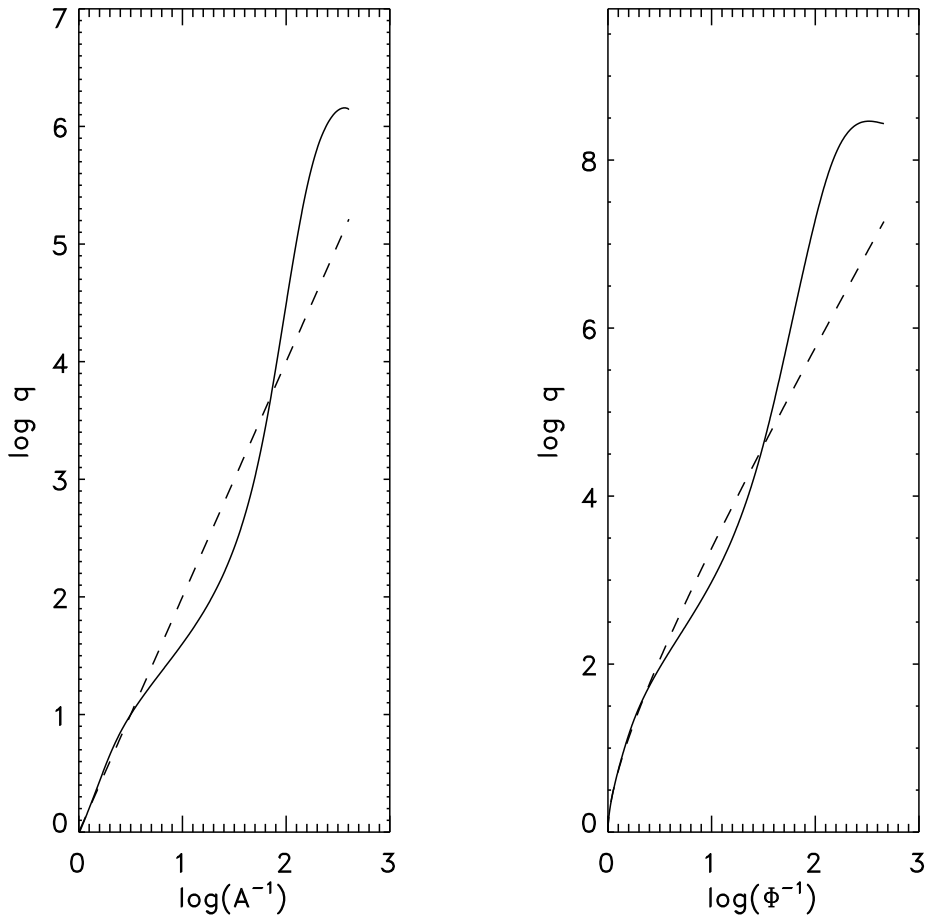
log q
log(A^{-1})
log q
log(Φ^{-1})