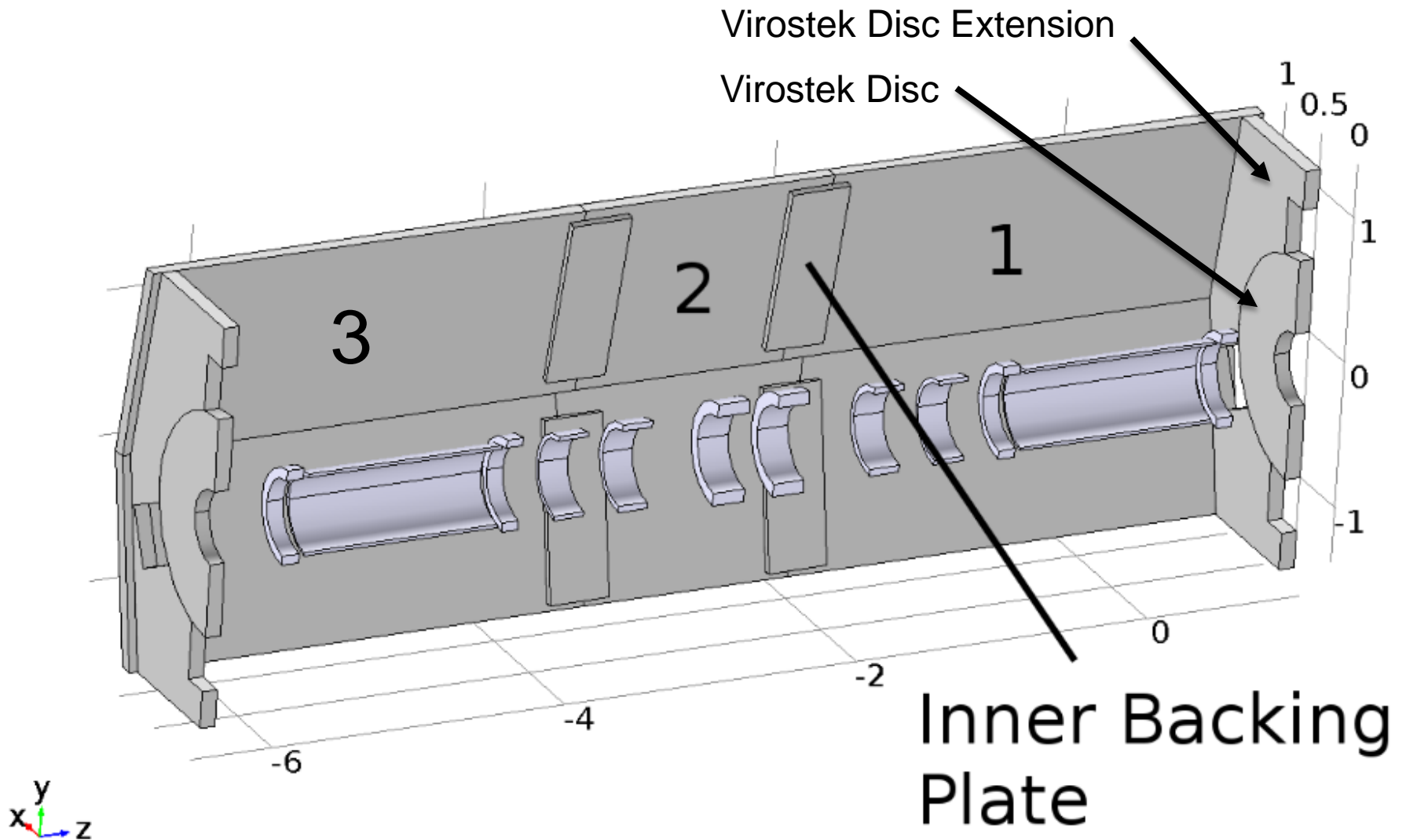
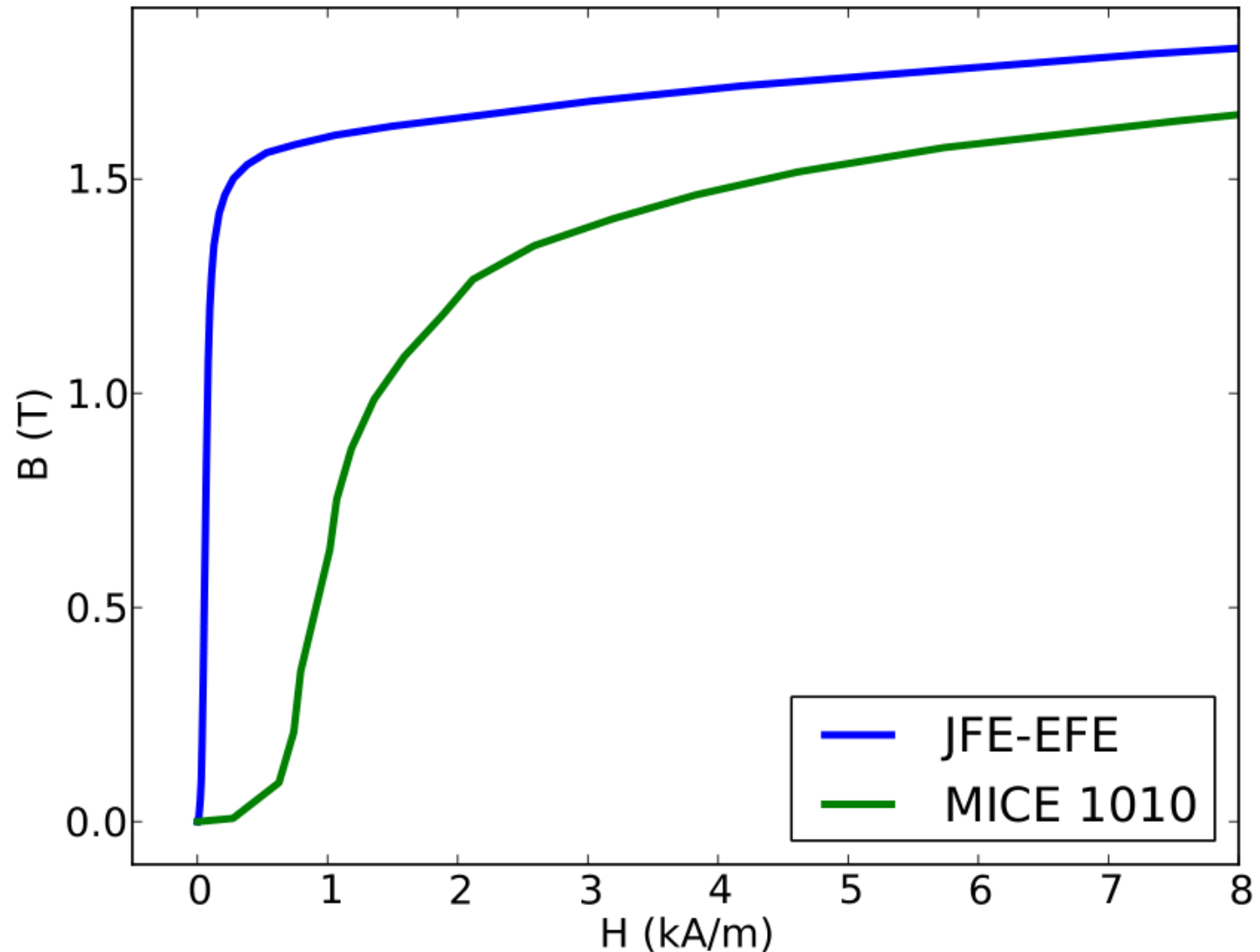


MICE PRY Forces

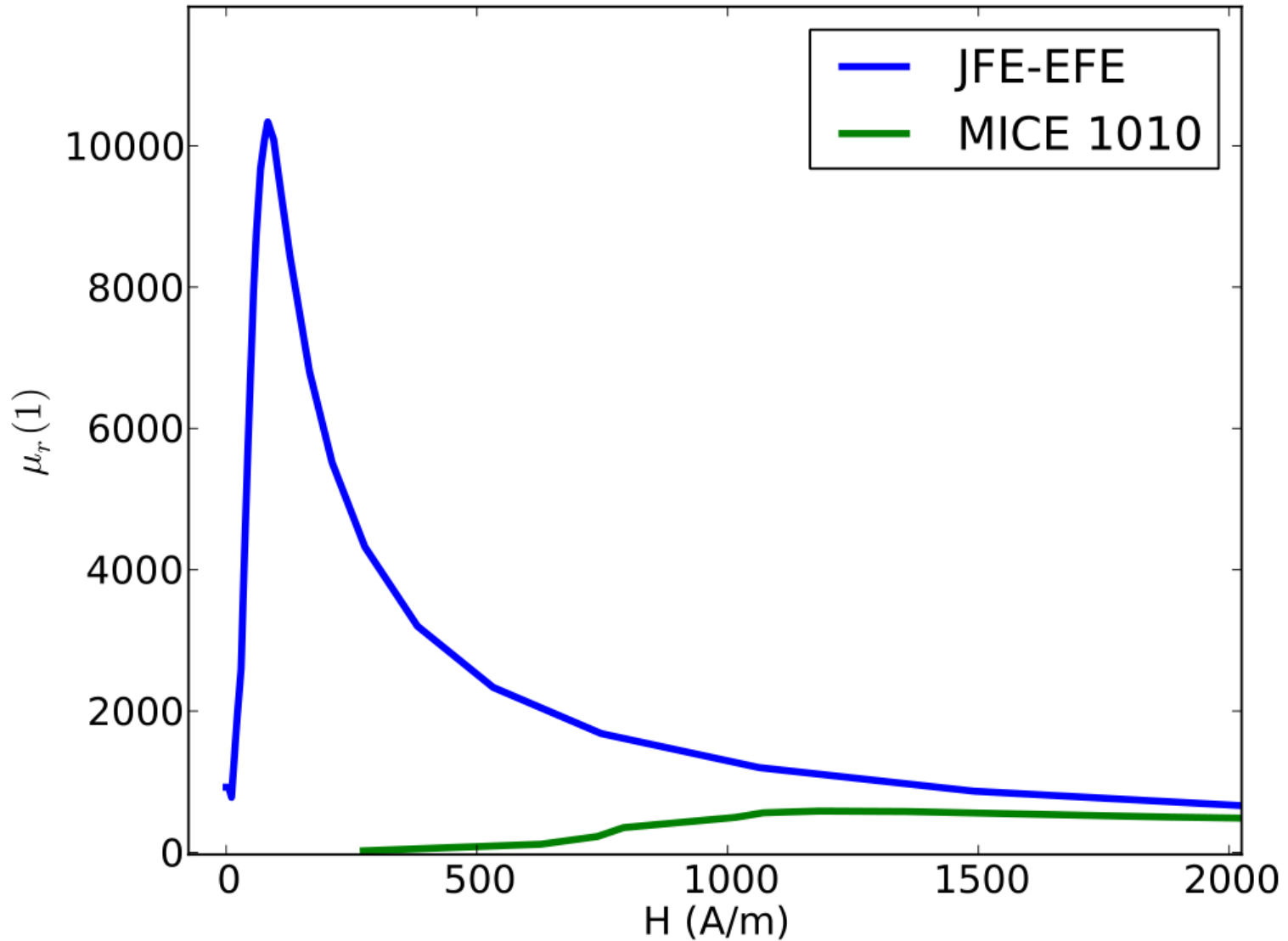
Holger Witte
Brookhaven National Laboratory
Advanced Accelerator Group



Magnetization Curves



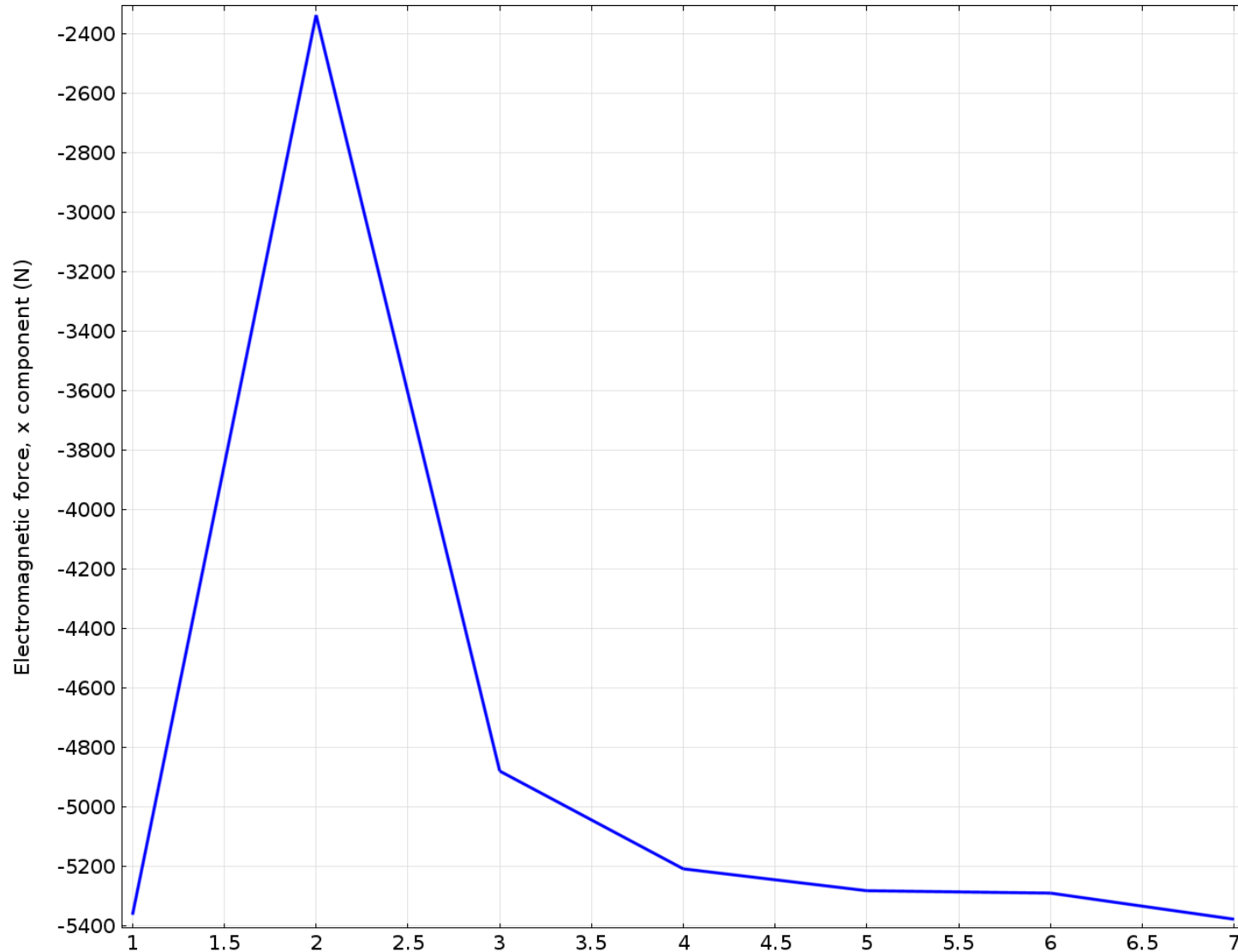
Permeability



- MICE Step IV
 - 240 MeV Flip mode
 - 240 MeV Solenoid mode
- Parameters
 - Parameter 1: All coils powered
 - Parameter 2: FC not powered
 - Parameter 3: MC1 not powered
 - Parameter 4: MC2 not powered
 - Parameter 5: E1 not powered
 - Parameter 6: SS not powered
 - Parameter 7: E2 not powered

240 MeV Flip Mode

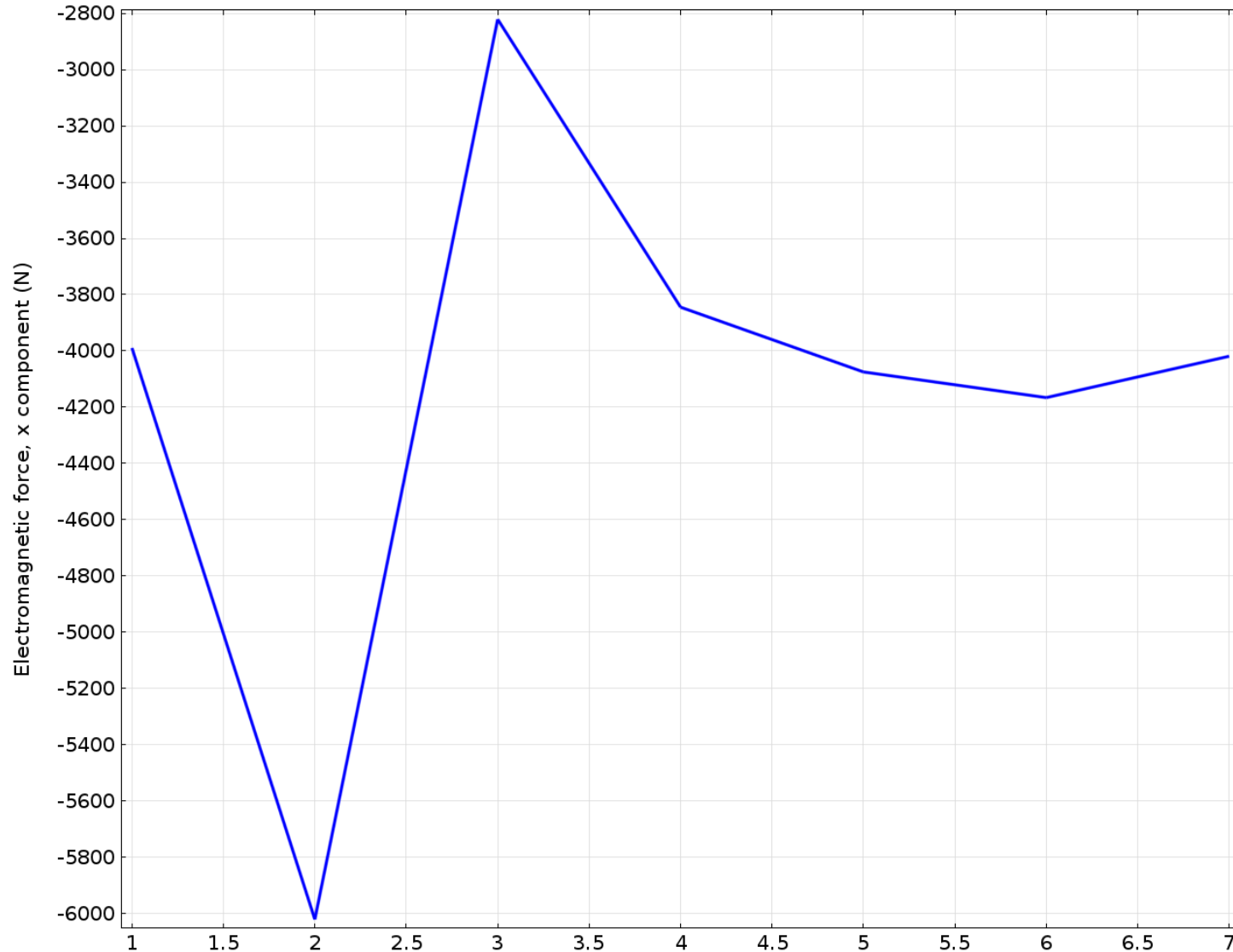
PRY 1: Force in x



PRY 2: Force in x



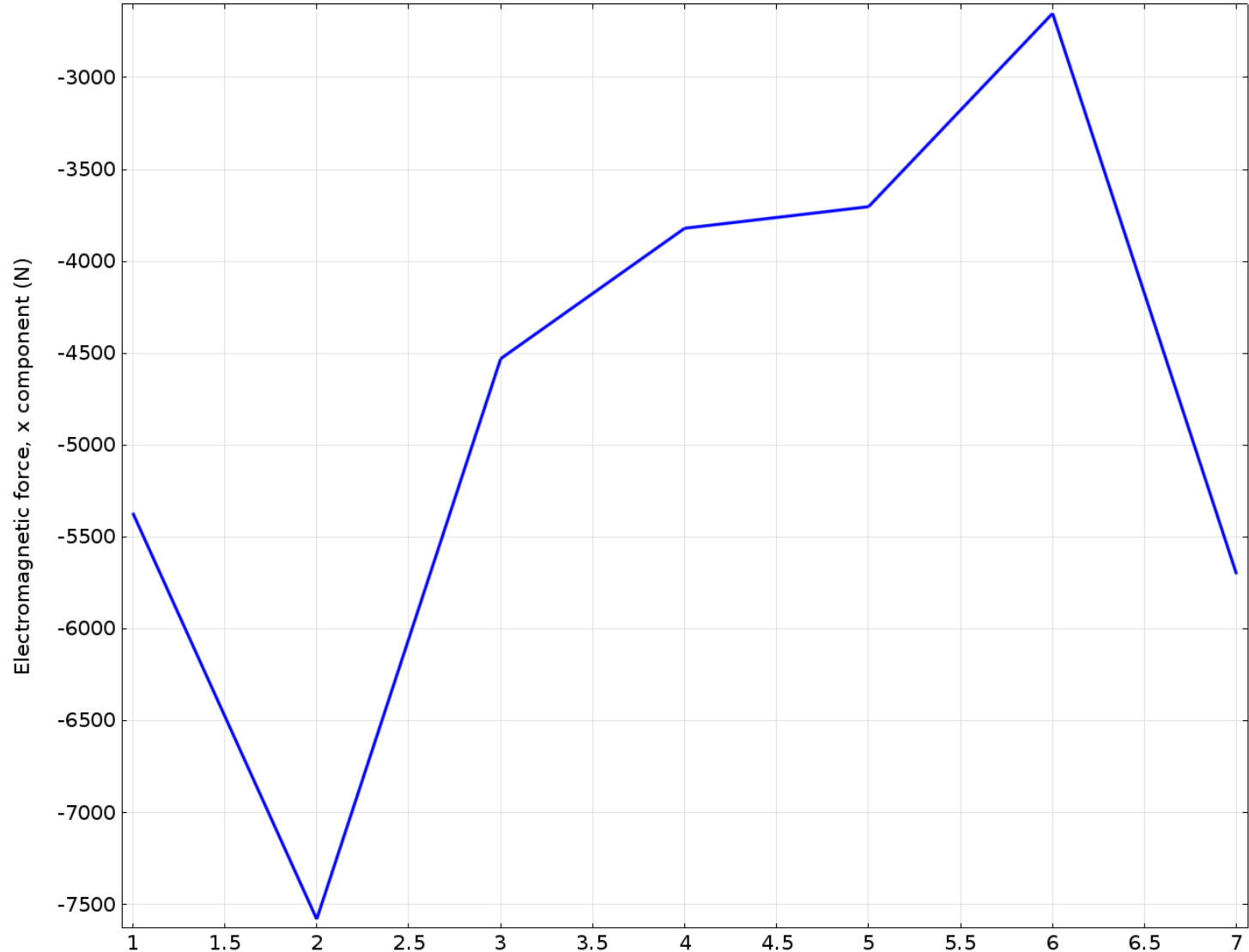
COMSOL MULTIPHYSICS



PRY 3: Force in x



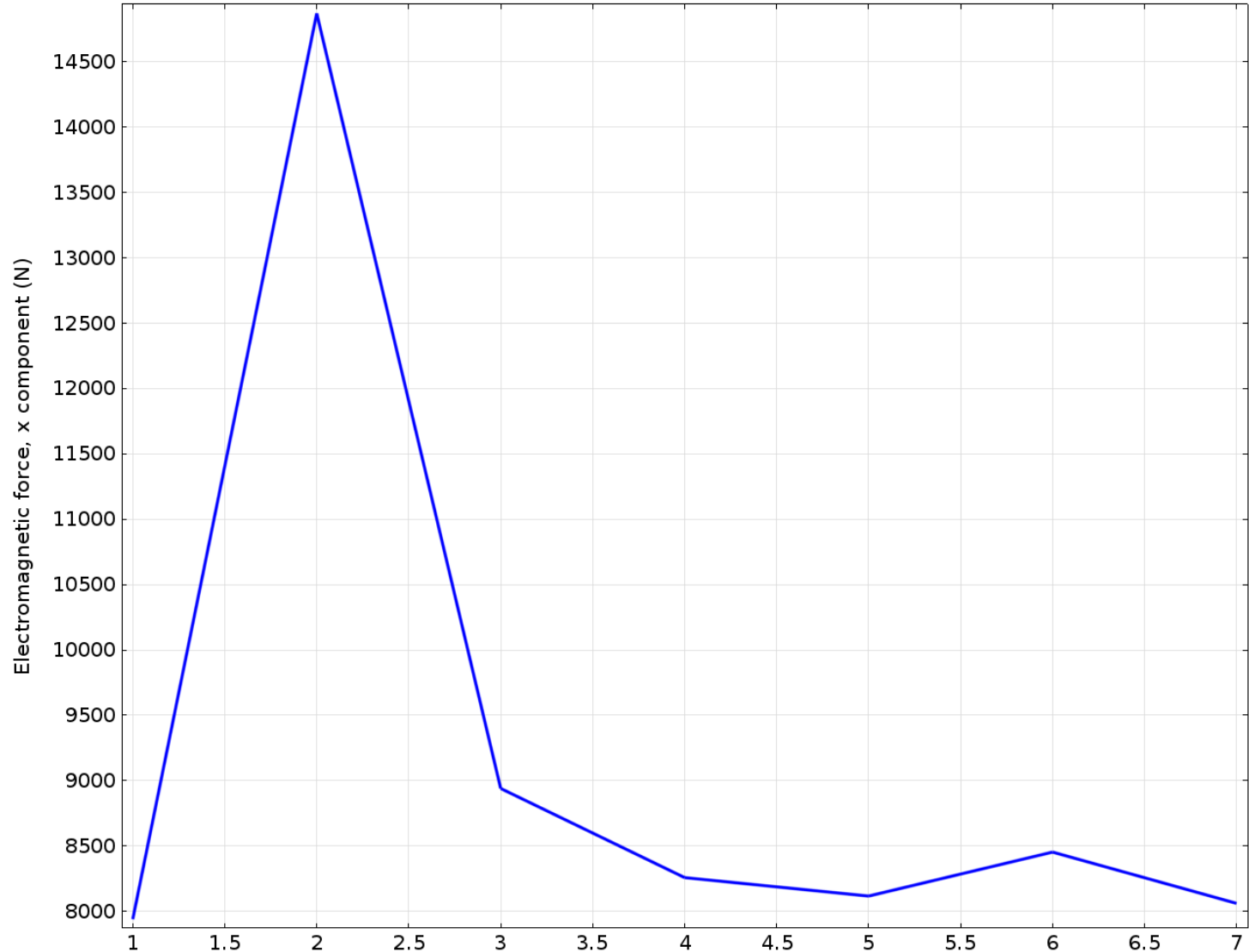
COMSOL MULTIPHYSICS



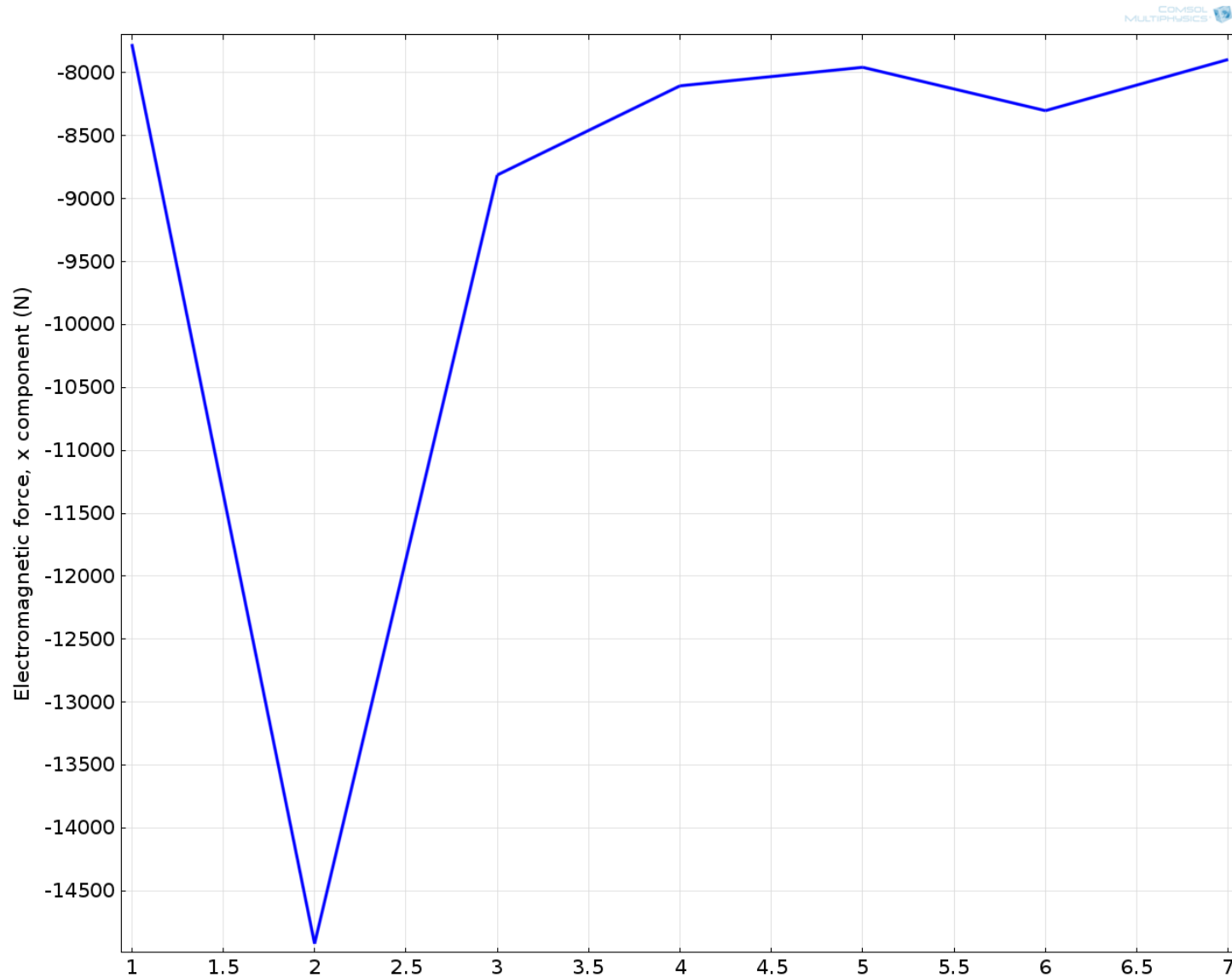
Backing Plate Inner: Force in x



COMSOL MULTIPHYSICS

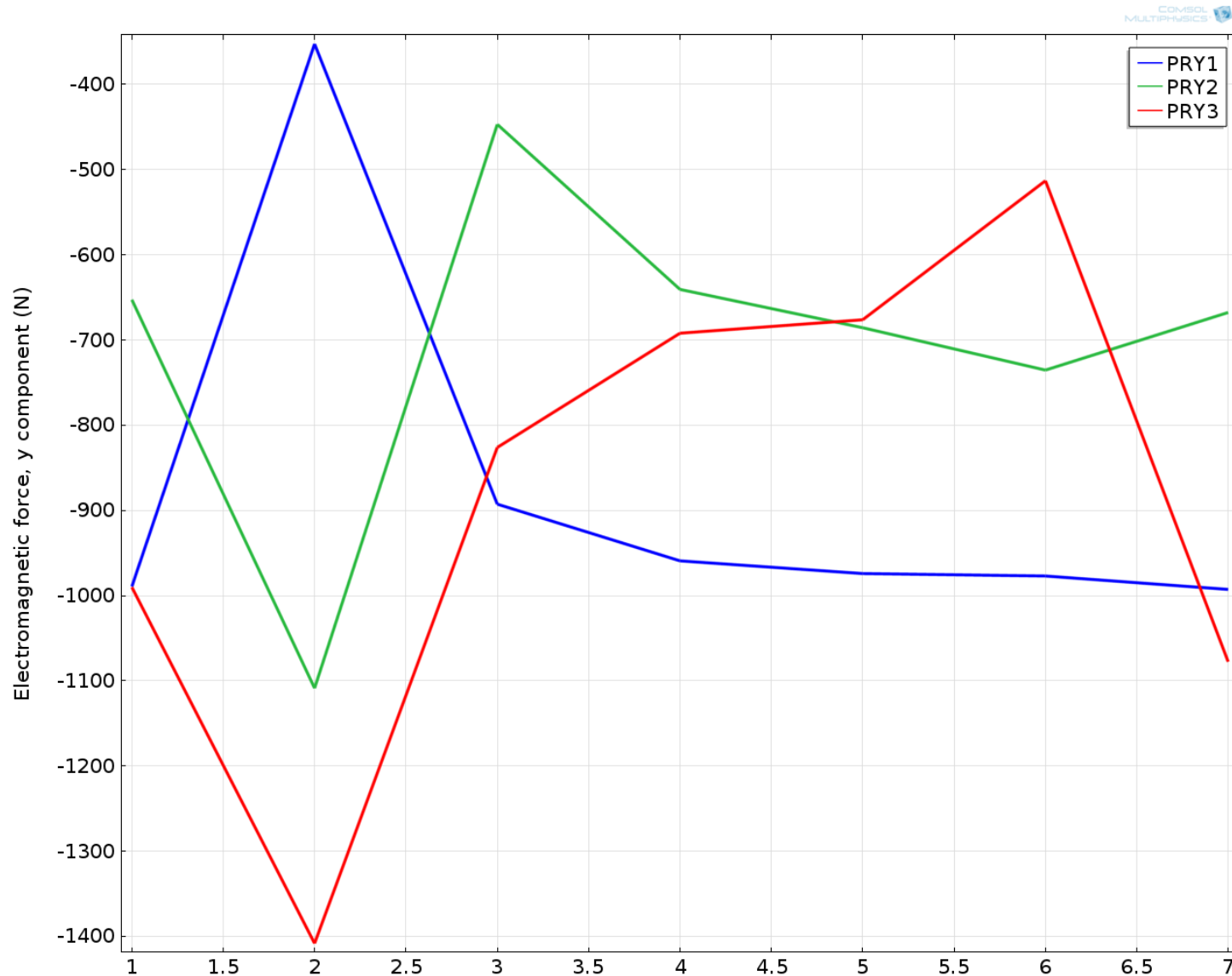


Backing Plate Outer: Force in x



COMSOL MULTIPHYSICS

Forces in y-direction

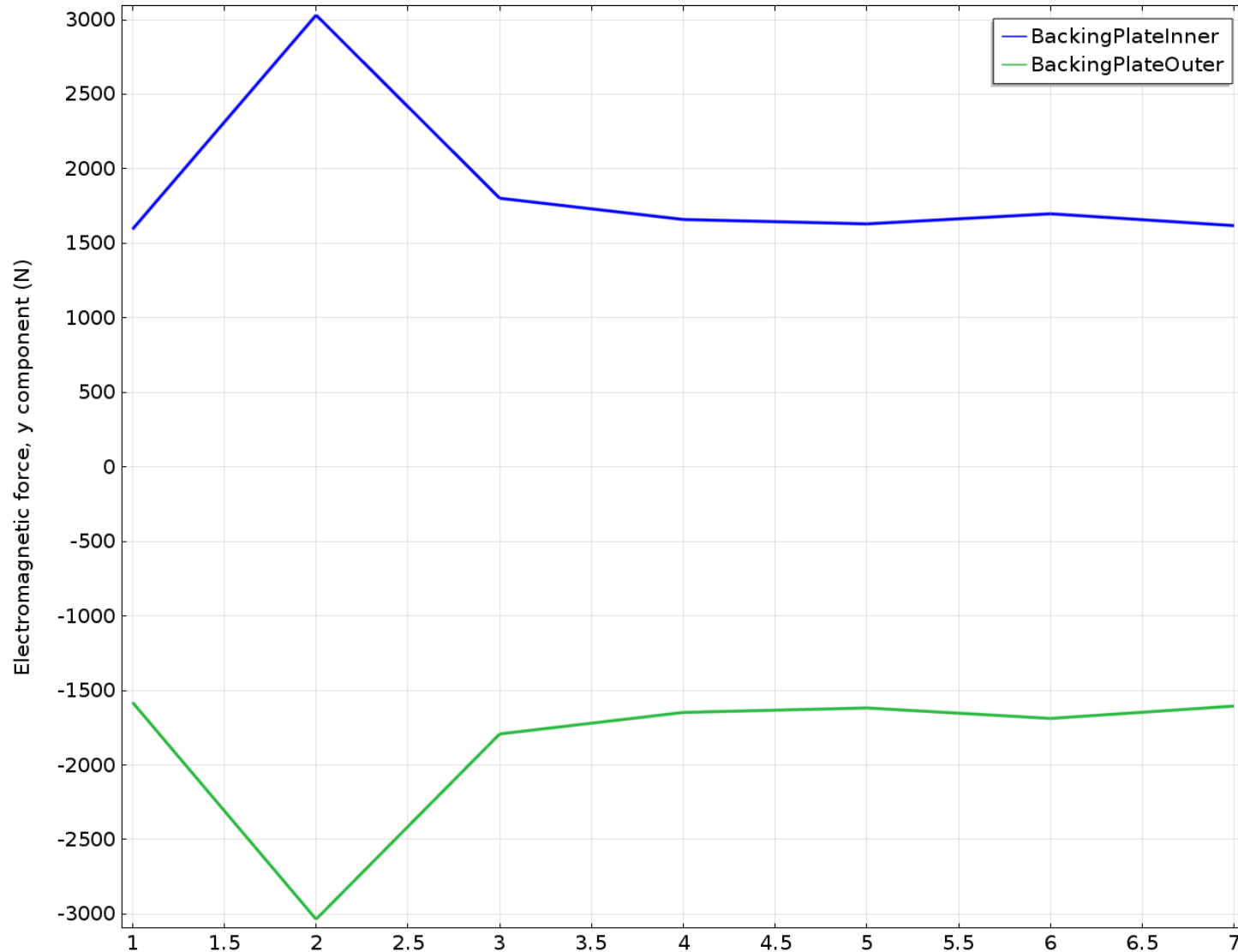


COMSOL
MULTIPHYSICS

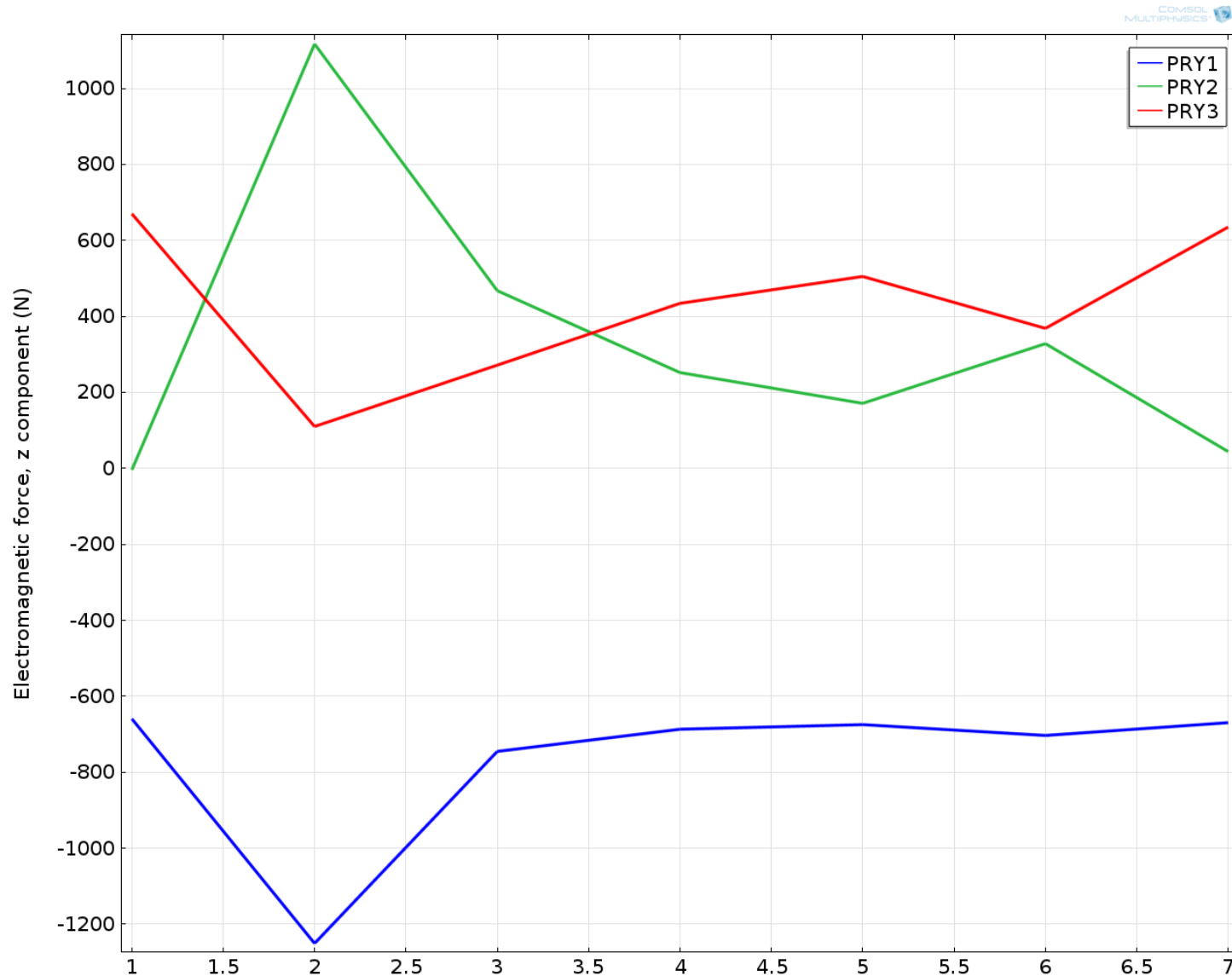
Forces in y-direction



Forces in y-direction

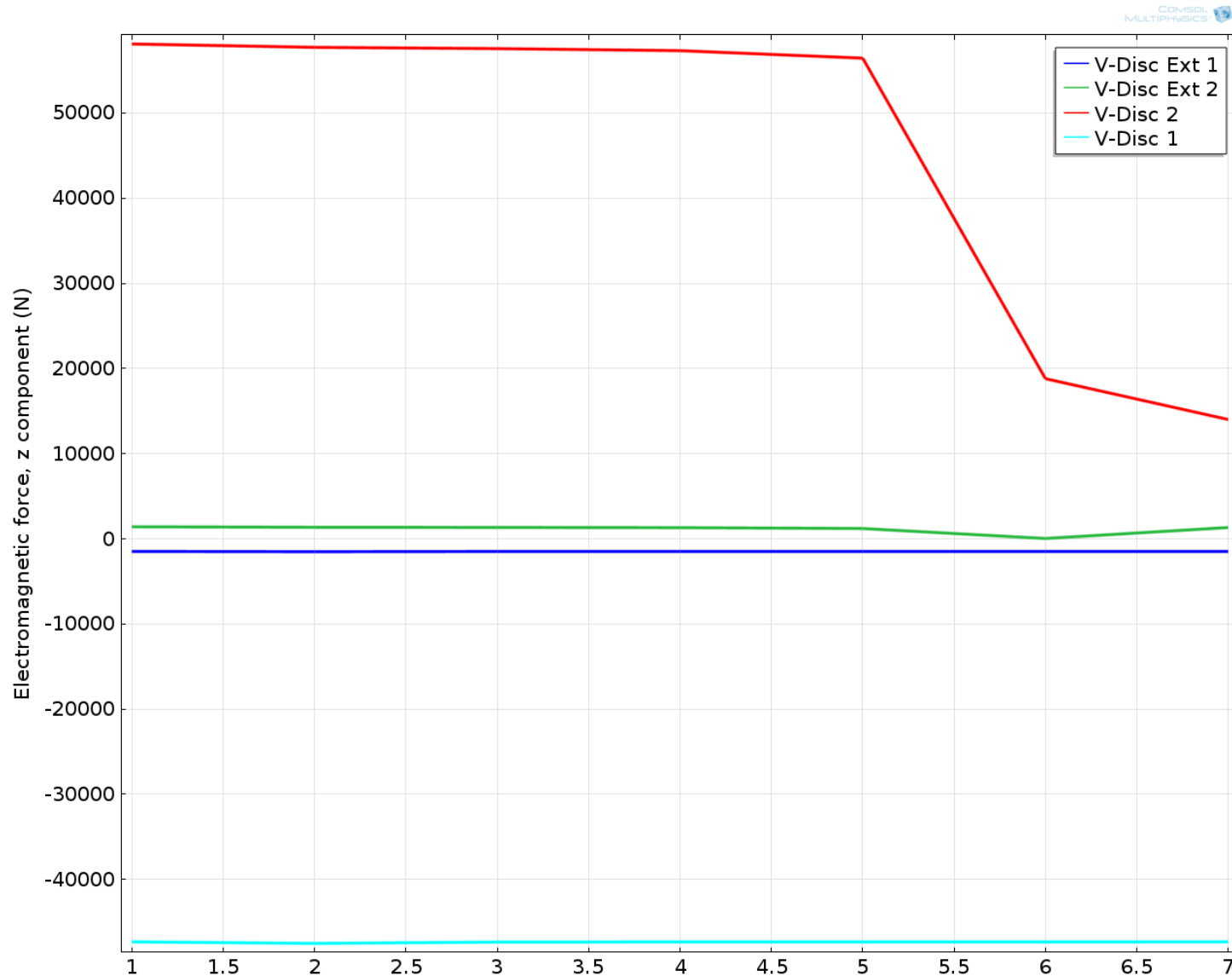


Forces in z-direction



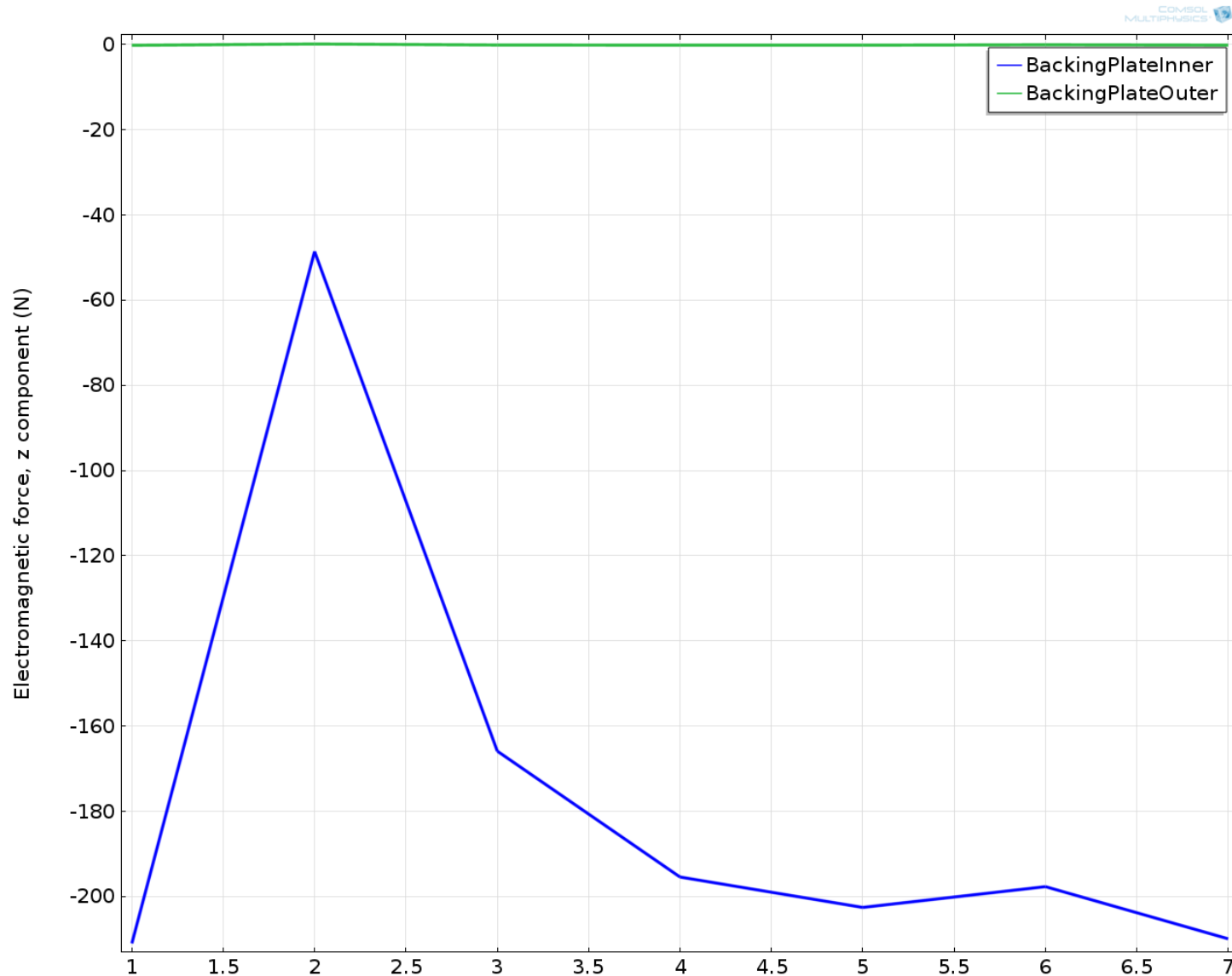
COMSOL MULTIPHYSICS

Forces in z-direction



COMSOL
MULTIPHYSICS

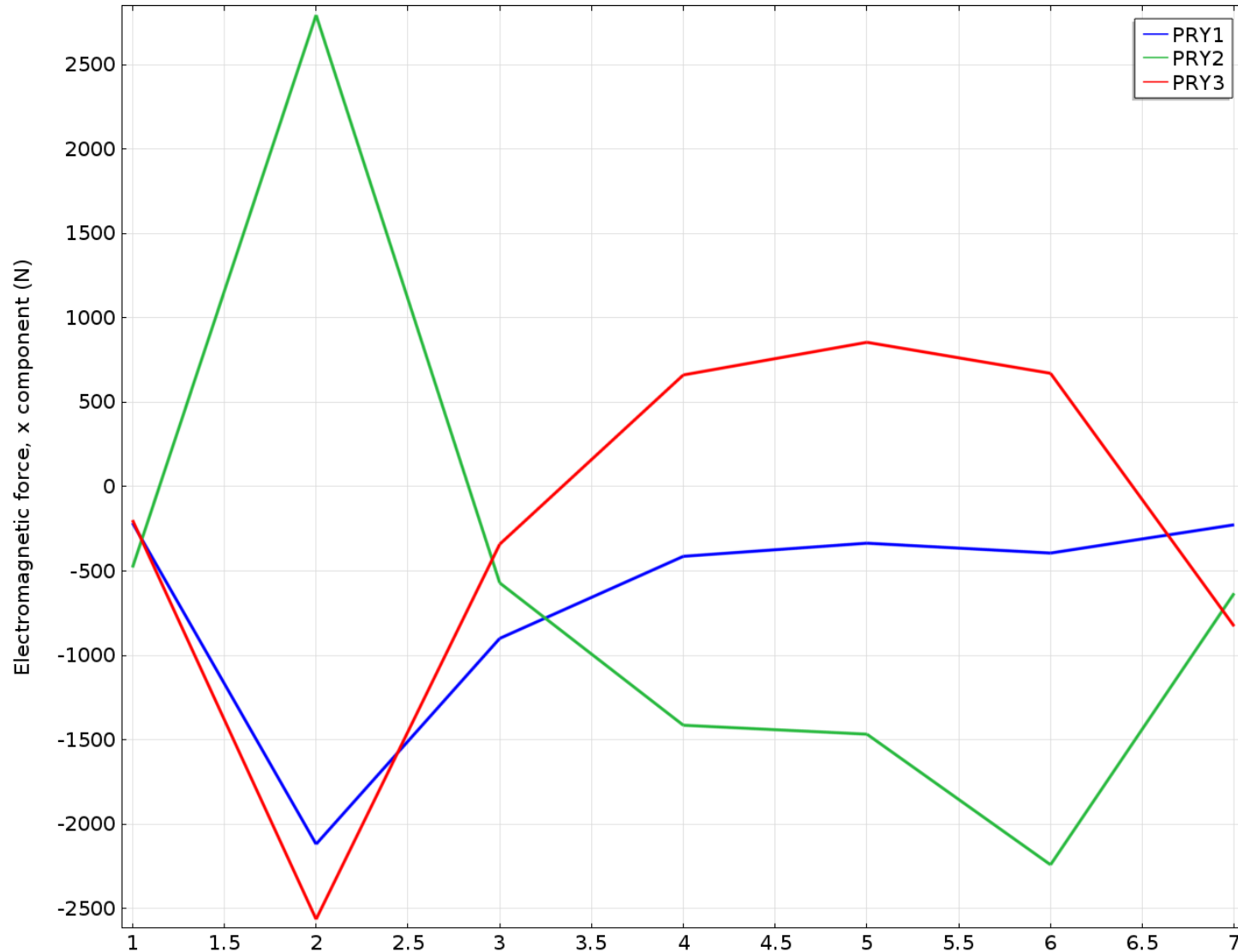
Forces in z-direction



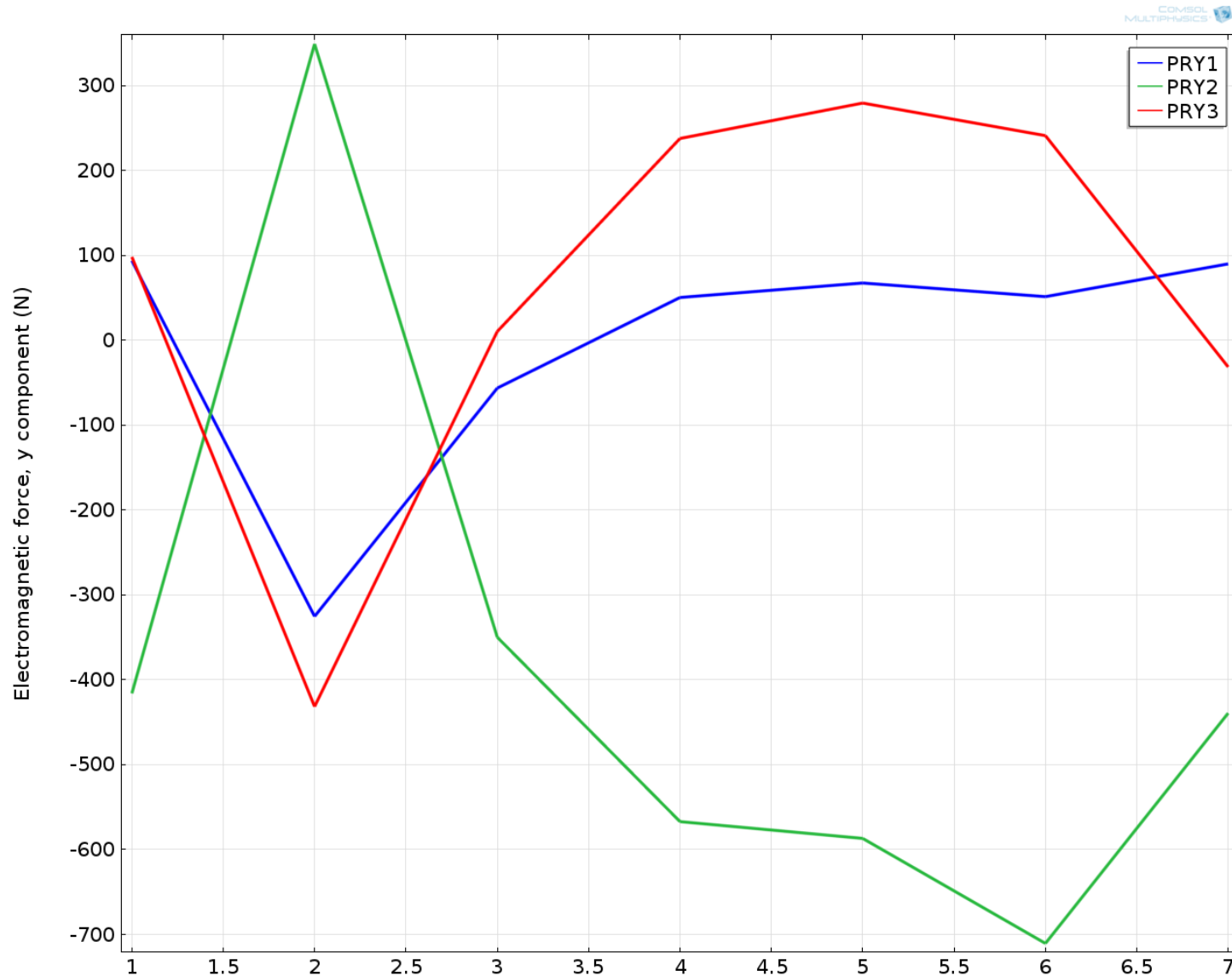
COMSOL
MULTIPHYSICS

240 MeV Solenoid Mode

Forces in x-direction

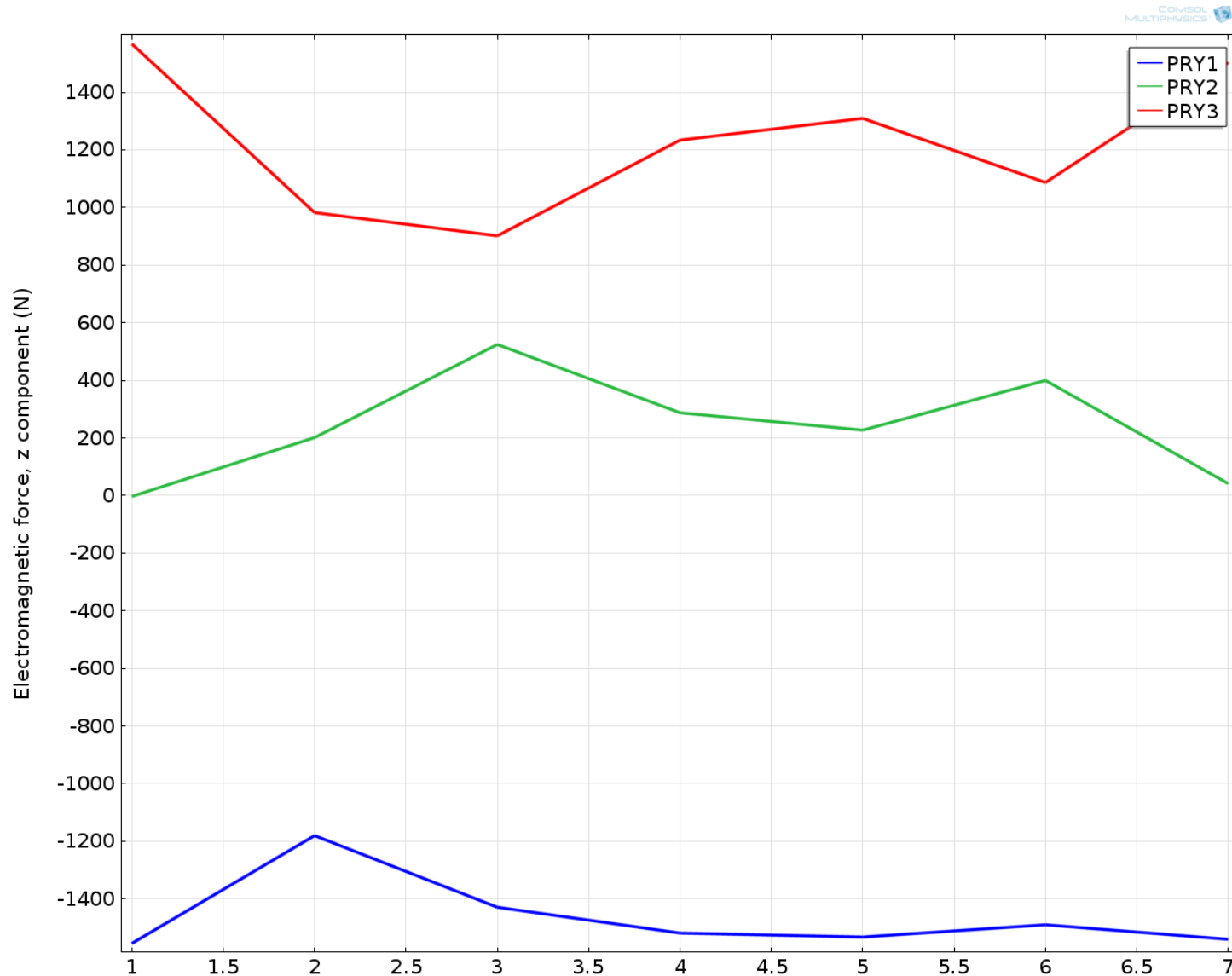


Forces in y-direction



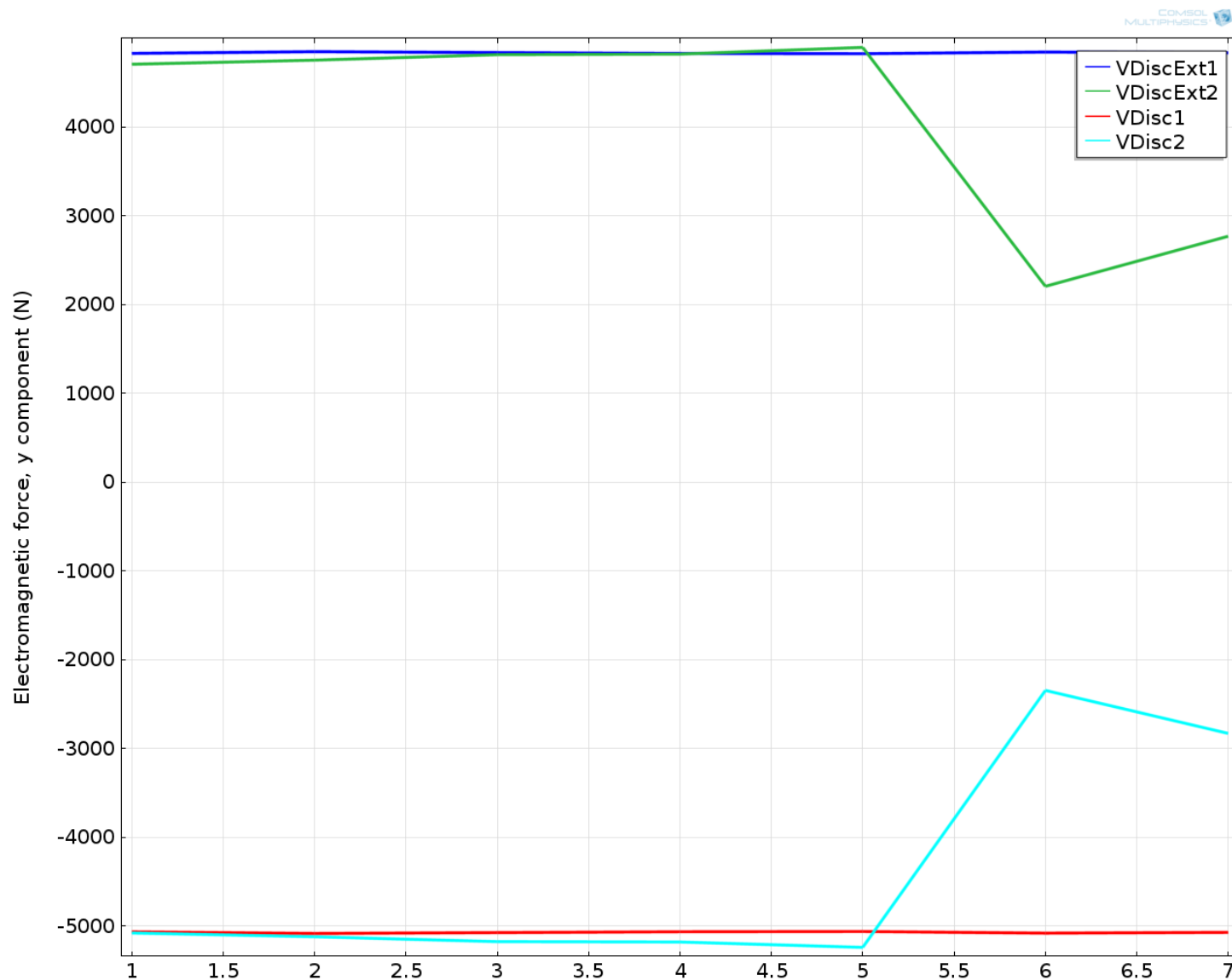
COMSOL MULTIPHYSICS

Forces in z-direction



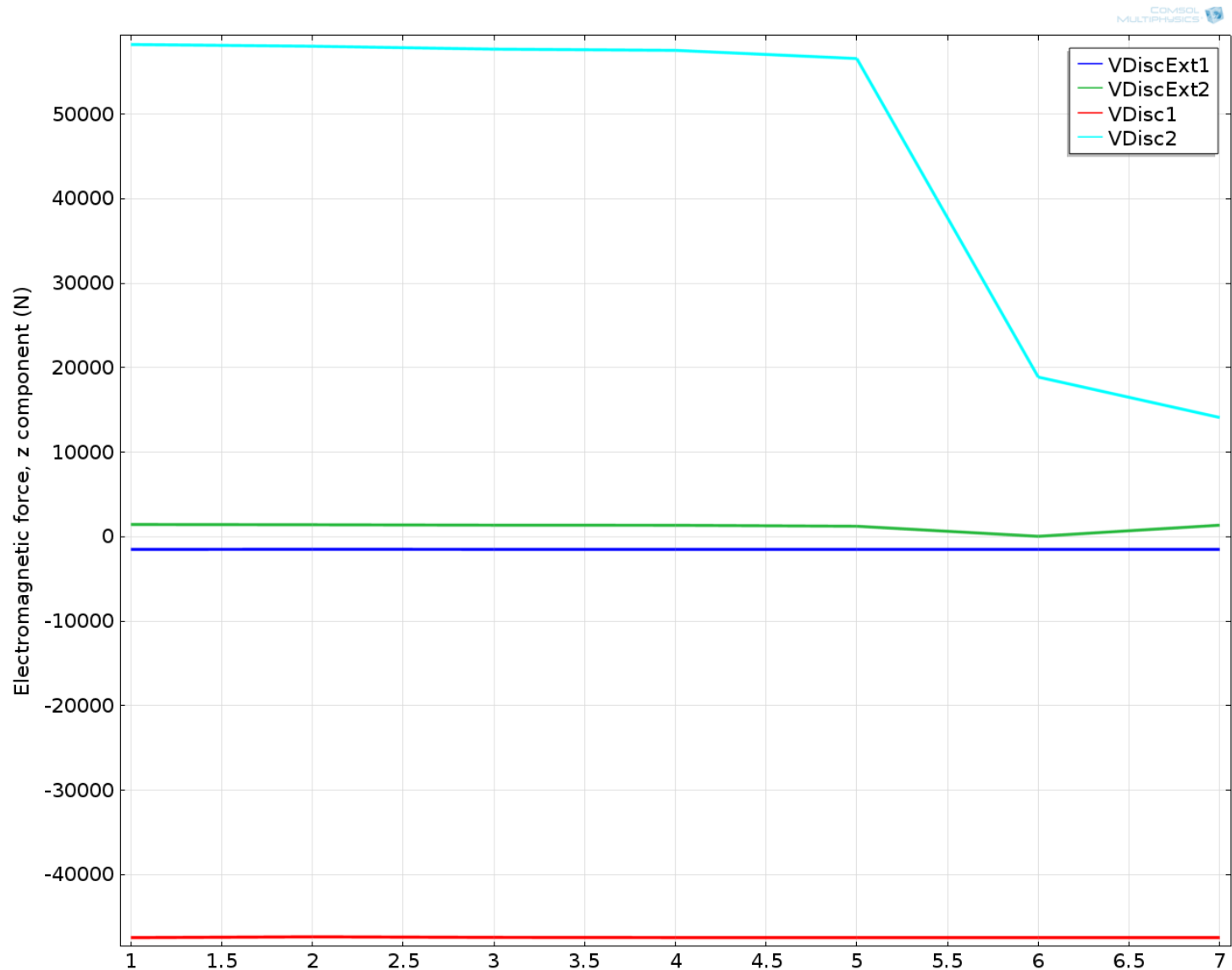
COMSOL MULTIPHYSICS

Forces in y-direction



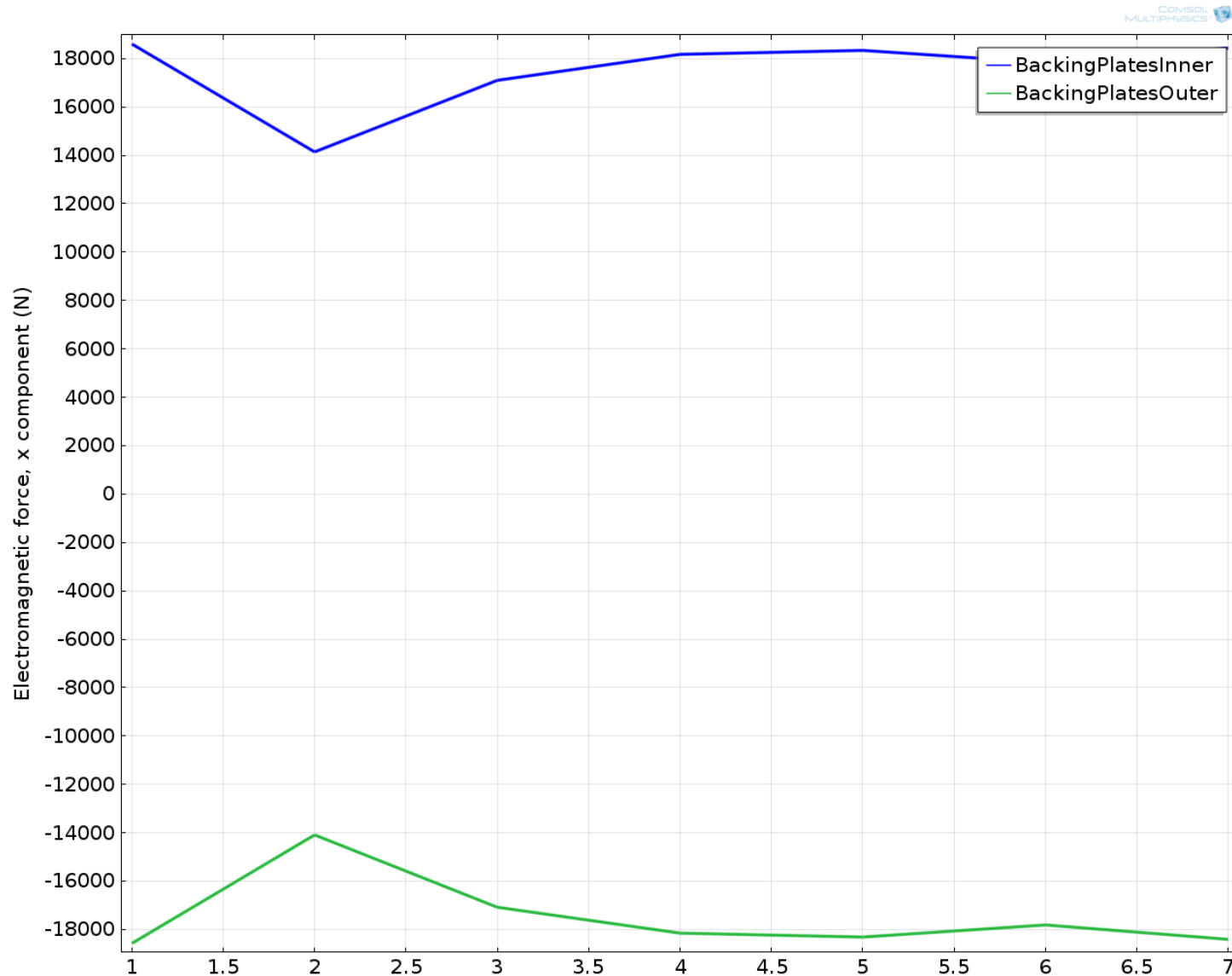
COMSOL
MULTIPHYSICS

Forces in z-direction



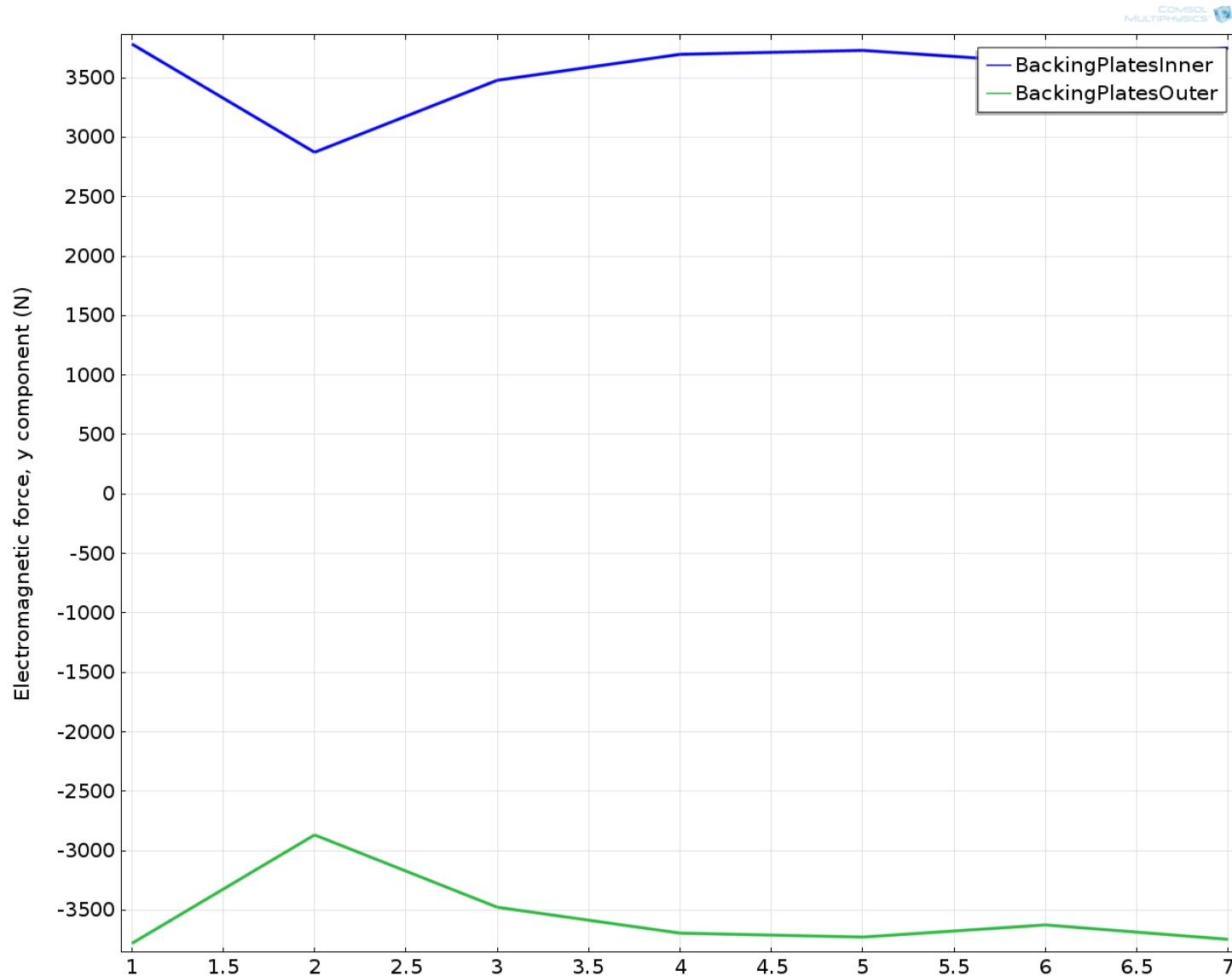
COMSOL MULTIPHYSICS

Forces in x-direction



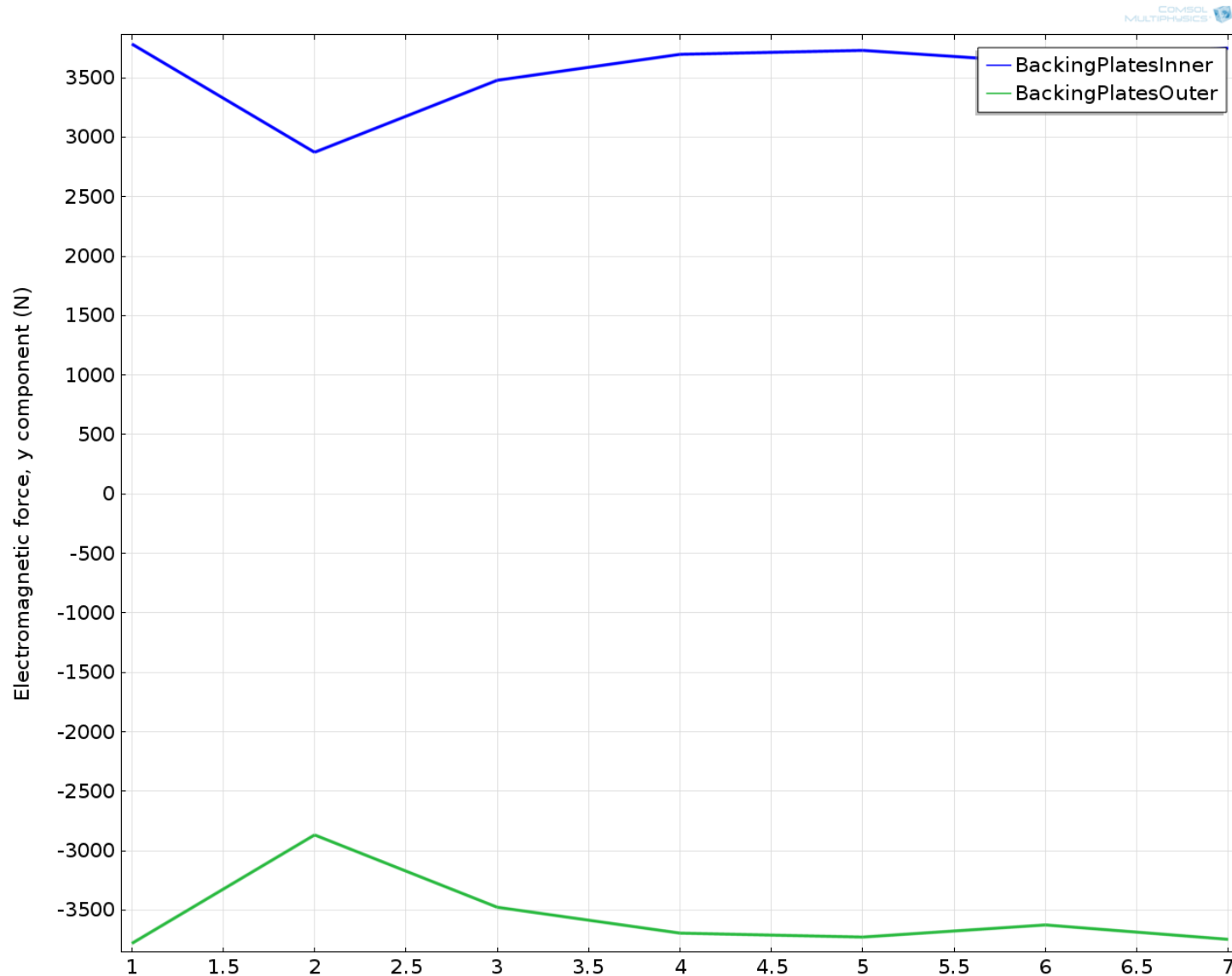
COMSOL
MULTIPHYSICS

Forces in y-direction



COMSOL MULTIPHYSICS

Forces in z-direction



COMSOL MULTIPHYSICS