

Supplementary materials for Influence of Ferromagnetic Interlayer Exchange Coupling on Current-induced Magnetization Switching and Dzyaloshinskii-Moriya Interaction in Co/Pt/Co Multilayer System

1. EXPERIMENTAL DATA

In this section, we provide all Brillouin Light Scattering (BLS) spectra we measured across a wide range of Pt thicknesses (see Fig.S1). The measurements were taken in the Damon-Eschbach mode configuration. Additionally, we show (Fig.S2) the damping determined from the electric measurements (spin-diode (SD) FMR). The damping coefficients (α) were derived from the FWHM of the SD resonance peaks.

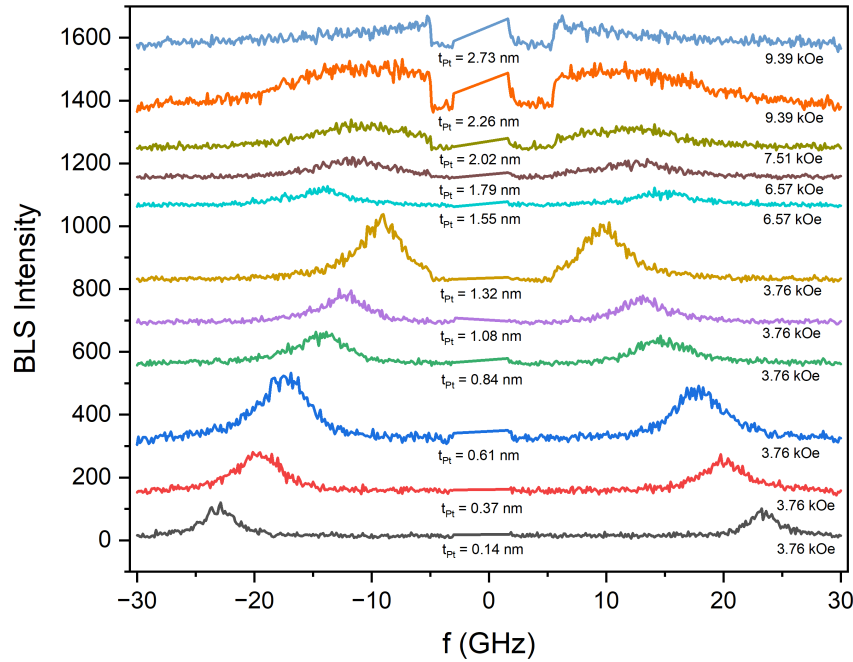


Fig. S1. BLS spectra of Stokes and anti-Stokes peaks for a wide range of Pt thicknesses from regions I-III, where applied magnetic fields range from 3.8 kOe to 9.4 kOe.

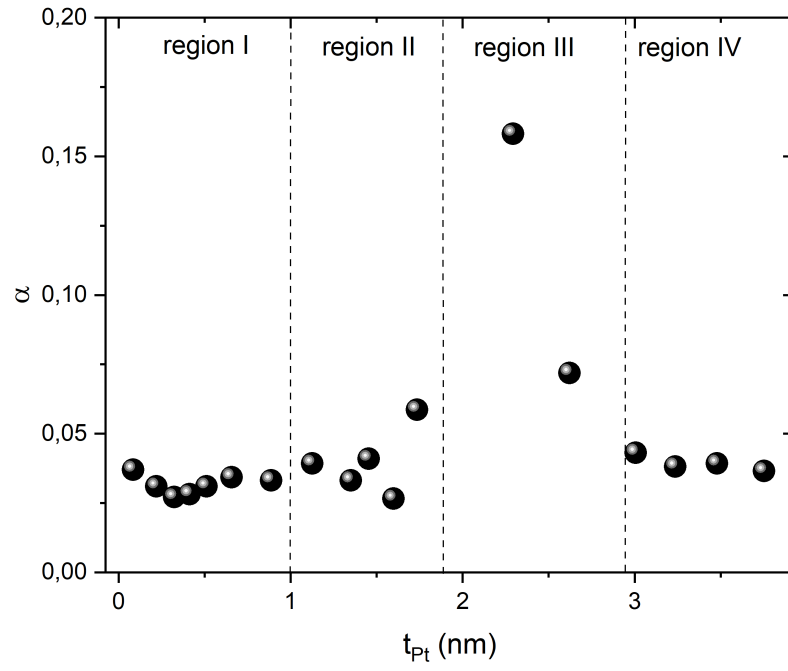


Fig. S2. Damping (α) determined by spin-diode ferromagnetic resonance method (SD-FMR) in wide range of Pt thickness.