

Dampening of ocean swell by sea ice across the marginal ice zone (MIZ)

- Ocean swell strongly contributes to the melting of sea ice in the MIZ, but it's impact is dampened by sea ice, depending on ice concentration and thickness. We collected a comprehensive data set about swell in sea ice during the Polarstern ATWAICE cruise in the Arctic in the summer of 2022
- Use of ship-based ice thickness, INS (Hydrins), swell, photo, and CTD, complemented by satellite radar (SAR) images
- Requirements: Good programming and English language skills, good grades, (experience with waves and/or oceanography is of advantage)

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