## Sq-009

## Development of the Ramp Structure of the Detachment beneath the High Himalaya

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The present rapid uplift in the high Himalaya is due to steady slip along the plate boundary with ramp beneath it. The geometry of the plate boundary must be changed by internal deformation due to own slip and increased surface load on a geologic time-scale. In the present study, we numerically simulated the development of ramp structure beneath the high Himalaya on geologic time-scale by using a Green function method in a Lagrangian framework.