



## X ARM



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Estimation on the NN from body waves (assuming only P) with Seism. N°2 data

density = 3 10<sup>3</sup> Kg/m<sup>3</sup> Vel = 2000 m/s Radius cavity = 30 m













## Conclusions:

- Time synchronization **not linear**: it's not possible to adjust the data to produce reasonable results.
- Despite this we can say that the NN from body waves field should not be a problem for KAGRA, but we still need to estimate the NN coming from **surface waves** on the mountain

















