

***Interactive comment on “Passive processing of active nodal seismic data: Estimation of  $V_P / V_S$ -ratios to characterize structure and hydrology of an alpine valley infill” by Michael Behm et al.***

**Erika Angerer (Referee)**

erika.angerer@omv.com

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I agree with the summary of Prof Bleibinhaus.

The part of the paper that needs revision is the interpretation section. To me the results seem to be somewhat 'overinterpreted'. I would prefer it if this section gets shortened. The most speculative parts should be removed completely. This concerns mainly the interpretation of the resulting  $V_p/V_s$  ratio section. I find that the interpretation lacks factual evidence. Further, in Fig 11 the velocities obtained from the processing of the

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active and passive seismic data are depicted next to a sonic log from a nearby well. There is a very significant difference between the seismic velocities and the sonic log velocities. This needs to be addressed in more detail.

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