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- Our poster is about **magnitude residuals** measured at all IMS stations. Magnitude is one of the key quantitative characteristics reflecting the source strength and used in earthquake-explosion screening.
- We are going to inform you that magnitude residual measured at certain stations is seasonally dependent value possibly affected by ambient temperature and/or by seismic background noise level.
- We used long term magnitude measurements at IMS stations and compared them with temperature variations observed at the nearest weather station and with seasonally varying seismic noise levels.
- The most important result of our work is that the same event occurred in different seasons may have biased magnitude measured at the station. Observed difference is well above required accuracy of channel calibration parameters and could be related to environmental factors
- If you want to find out more, come over for a chat in front of our poster **P4.1-282**.

