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Kinematics and strain distribution in an orogen-scale shear zone: Insights from structural analyses and magnetic fabrics in the Gavarnie thrust, Pyrenees

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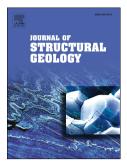
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- 1 Title: Kinematics and strain distribution in an orogen-scale shear zone: insights from
- 2 structural analyses and magnetic fabrics in the Gavarnie thrust, Pyrenees

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14 Abstract

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15 This work aims to characterize the Gavarnie thrust, one of the large-scale thrusts that

define the Alpine structure of the west-central sector of the Pyrenees. A detailed

comparison of structural analysis and magnetic fabrics is carried out for the Paleozoic

phyllonites of the Gavarnie thrust, in order to decipher strain distribution and

transport direction. The AMS at room (RT-AMS) and low (LT-AMS) temperature and

20 the AIRM can be correlated with the structural patterns: k_{min} axes are mainly parallel to

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