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## Vorticity generation and transmission to polarisation in heavy-ion collisions

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We systematically compare the different mechanisms of generation and transmission of vorticity to hyperons polarisation in heavy-ion collisions. The special attention is paid to anomalous mechanism. The transverse and longitudinal components of polarisation are considered. The effects of pionic superfluidity and the emerged quantized vortices is analyzed. The role of polarisation as a probe of properties of quark-gluon matter is studied. The energy dependence of polarisation in the various combination of vorticity generation and transmission mechanisms is addressed.

### Content type

Theory

### Collaboration

### Centralised submission by Collaboration

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