

Stability and repeatability of cooling performance

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Problems

- Unstable MOT
- Single atom loading probability
- ODT polarization gradient cooling performance

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Possible cause and solution

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- Phase randomization with piezo mirrors

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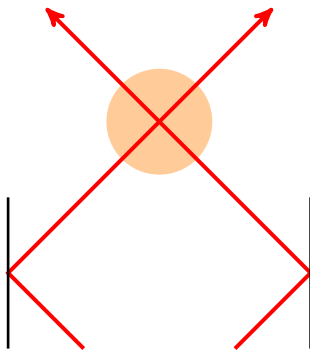
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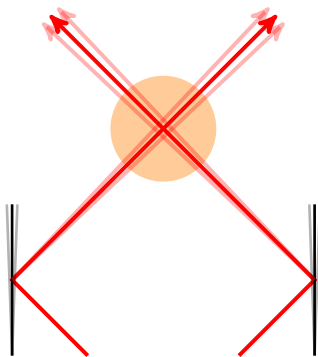
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- Optimization and further cooling of Cesium
- Sodium TOF and single atom trap

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