

Contribution Title: ON THE INTEGRALS OF MOTION FOR A
CALOGERO-MOSER SYSTEM WITH SPINS AND
ELLIPTIC EXCHANGE INTERACTION

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The problem of finding integrals of motion for a quantum elliptic Calogero-Moser system with arbitrary number of particles extended by spin-exchange interaction with the strength given by Weierstrass elliptic function of the particle distance is considered. Two mutually commuting non-trivial integrals of motion are found using an ansatz and straightforward calculations based on the elliptic functions properties.