

**Matching of the Intensive Laser Ion Source to the RFQ Accelerators, B. SHARKOV, ITEP** - The results of the matching of intensive laser source of multiply charged heavy ions to the high current RFQ accelerators are presented. The injection energy and charge state distribution of the low emittance heavy ion beams is provided by the proper extraction and by the parameters of the low energy beam transport line. The experimental examples for the matched laser ion source operation on the linear accelerators are given for a number accelerator laboratories.