1033-17-163     **Kailash C. Misra\*** (`misra@math.ncsu.edu`), Department of Mathematics, North Carolina State university, Raleigh, NC 27695-8205. *Realizations of Demazure crystals for the quantum affine algebra $U_q(\widehat{sl}(n))$.* Preliminary report.

Realizations of crystals for the integrable highest weight modules of the quantum affine algebra $U_q(\widehat{sl}(n))$ in terms of extended Young diagrams (or colored Young diagrams) are known. In this talk we will discuss some preliminary results on realizations of certain crystals for the Demazure modules of the quantum affine algebra $U_q(\widehat{sl}(n))$ in terms of extended Young diagrams. This is a joint work with my student Julie Beier. (Received September 10, 2007)