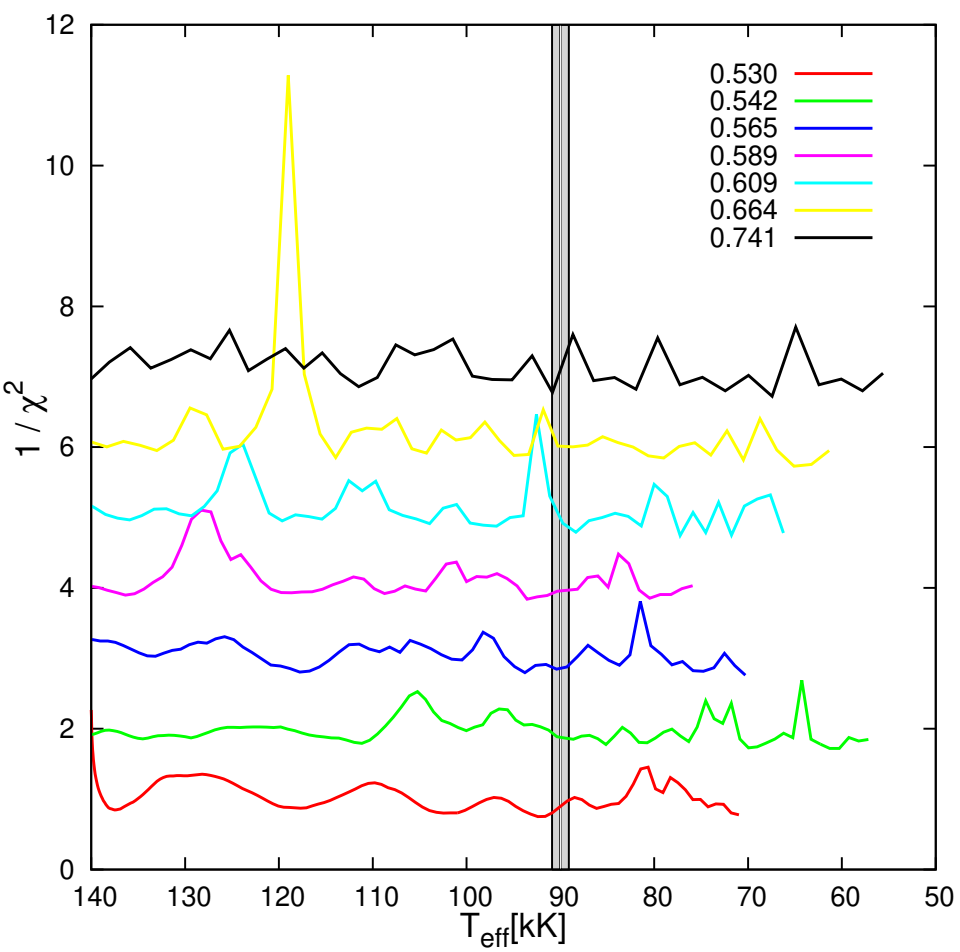
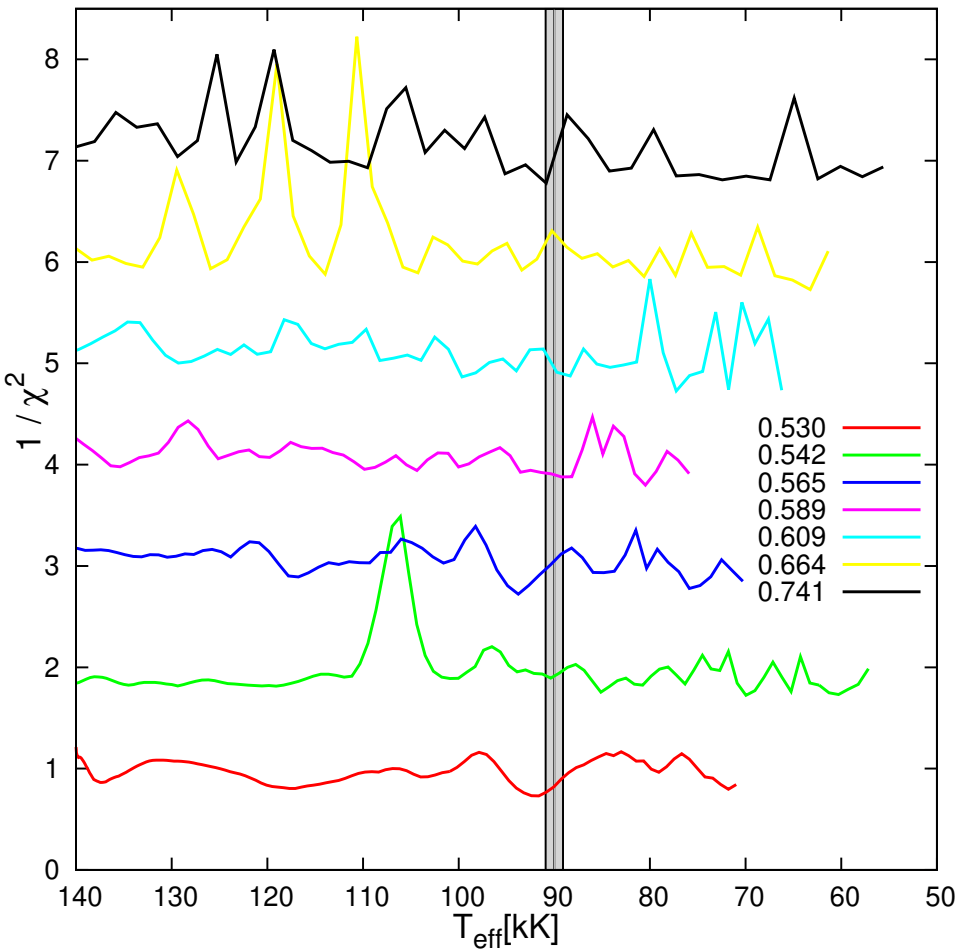


(a) $\ell = 1, 2,$ 10 periods



(b) $\ell = 1, 2,$ 11 periods