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Yuping Yang* (yangyuping@mail.com), Department of Mathematics, MailStop 3368, Texas A&M University, College Station, TX 77843-3368. *a CLT for independent non-identical processes.*

We prove a functional central limit theorem for a sequence of independent non-identical processes with conditions on the distributions of the processes. That is, the empirical process $n^{-1/2} \sum_{j=1}^n (\mathbf{1}\{X_j(t) \leq y\} - \Pr(X_j(t) \leq y))$ converges weakly to a gaussian limit on the parameter set $E \times R$. It extends the i.i.d. case in the paper by Kuelbs, J., Kurtz, T. and Zinn, J. (2010). (Received September 22, 2011)