

Abstract Submitted  
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**Isoscaling and the High Temperature Limit** JORGE MUNOZ, California Institute of Technology, CLAUDIO DORSO, Universidad de Buenos Aires, HERNANDEZ CARLOS, Universidad de Colima, JORGE LOPEZ, The University of Texas at El Paso — This study shows that isoscaling, usually studied in nuclear reactions, is a phenomenon common to all cases of fair sampling. Exact expressions for the yield ratio  $R_{21}$  and approximate expressions for the isoscaling parameters  $\alpha$  and  $\beta$  are obtained and compared to experimental results. It is concluded that nuclear isoscaling is bound to contain a component due to sampling and, thus, a word of caution is issued to those interested in extracting information about the nuclear equation of state from isoscaling.

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